Barbee, Zinith

From: Barbee, Zinith
Sent: Friday, January 08, 2010 10:40 AM
To: 'tmiller@co.lenoir.nc.us'
Cc: Drummond, Jaclynne; 'mgerman@mesco.com'
Subject: RE: Lenoir County MNA sampling

Thank you for the submission of sampling data. The file has been entered into the SWS database as Doc ID 9260 and will be utilized as part of reviews of the Corrective Action Plan for the site.

Zinith Barbee
Hydrogeologist
Solid Waste Section
Permitting Branch
Division of Waste Management

1646 Mail Service Center
Raleigh, NC 27699-1646
tel: 919.508.8401 fax: 919.733.4810

/E-mail correspondence to and from this address may be subject to the North Carolina Public Records Law and may be disclosed to third parties./

From: Drummond, Jaclynne
Sent: Thursday, January 07, 2010 9:13 AM
To: Barbee, Zinith
Subject: FW: Lenoir County MNA sampling

Jaclynne Drummond
Compliance Hydrogeologist
NC Department of Environment and Natural Resources
Division of Waste Management – Solid Waste Section
1646 Mail Service Center
Raleigh, NC 27699-1646
919-508-8500, Fax 919-733-4810
http://wastenotnc.org/swhome

E-mail correspondence to and from this address may be subject to the North Carolina Public Records Law and may be disclosed to third parties.

New email address is jaclynne.drummond@ncdenr.gov

From: Maddie German [mailto:mgerman@mesco.com]
Sent: Wednesday, January 06, 2010 11:45 AM
To: Drummond, Jaclynne
Cc: tmiller@co.lenoir.nc.us
Subject: Lenoir County MNA sampling

Jaclynne,

I have attached the semi-annual Monitored Natural Attenuation (MNA) sampling summary for Lenoir County. Due to the limited nature of the data, I do not intend to submit a paper copy. If you require hard copies let me know and I will be happy to oblige you. Please contact me with any questions or comments you may have regarding these semi-annual MNA submittals.

Respectfully,

Madeline German
Municipal Engineering Services Company, P.A.
Garner, NC 27529
(919) 772-5393

OPERATION/CONSTRUCTION MANAGERS

Municipal Services

CIVIL/SANITARY ENGINEERS

Engineering Company, P.A.

January 6, 2010

Ms. Jaclynne Drummond
Solid Waste Section
Division of Waste Management
North Carolina Department of Environment and Natural Resources
401 Oberlin Road, Suite 150
Raleigh, NC 27605

Re: Monitored Natural Attenuation Sampling Progress Report
Lenoir County Landfill
LaGrange, NC 28501

Permit No. 54-03
MESCO Project No. G07062.0

Dear Ms. Drummond:

The Lenoir County Closed Unlined Municipal Solid Waste Landfill (MSWLF) and Active Construction and Demolition (C&D) Landfill, currently operating under permit #54-03, has commenced Monitored Natural Attenuation (MNA) monitoring in accordance with the Corrective Action Plan (CAP) designed by Municipal Engineering Services Company, P.A. (MESCO). This event was performed on July 29, 2009 along with traditional semi-annual water quality sampling.

As proposed in the CAP, Environment 1 reported groundwater sampling results and tested for MNA parameters from seven (7) monitoring wells (MW-1, MW-3 MW-4, MW-6, MW-9, MW-11 and MW-12). A facility map is provided on **Plate 1** illustrating monitoring well locations and groundwater flow direction. No constituents of concern were detected above the 2L standard for this sampling event; therefore no additional plates are included in this submittal. 2L values were matched to the standards used in the previously submitted semi-annual sampling report for consistency. Sampling was conducted per the methodology listed in the approved CAP Groundwater and Surface Water Sampling and Analysis Plan.

Table 1 lists the wells with the required MNA sampling parameters results. Appendix 1 metals and VOC laboratory results for the current sampling event are included. As required by the Solid Waste Section an evaluation of MNA's effectiveness as a remedy will be presented in a Comprehensive MNA Evaluation Report after four sampling events are conducted.

The next semi-annual sampling event is scheduled for January 2010 and the lab results will be submitted upon completion. If you have any questions or comments regarding this sampling update, please contact me by phone at (919) 772-5393 or by email at mgerman@mesco.com.

Sincerely,
MUNICIPAL ENGINEERING SERVICES CO., P.A.

Madeline German
Geoscientist

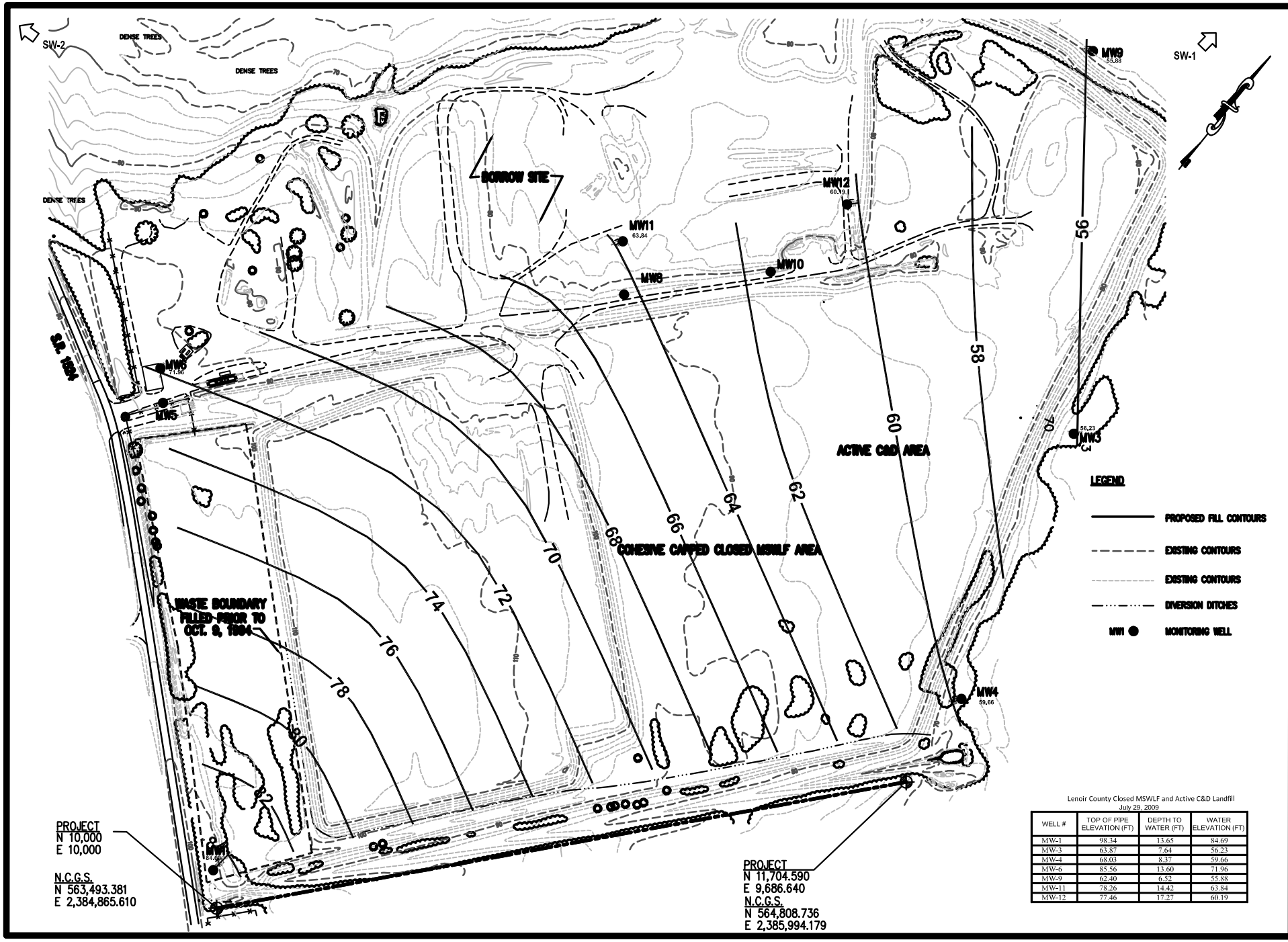
Enclosures
cc: Mr. Tom Miller, Lenoir County

PO Box 97, Garner, North Carolina 27529 (919) 772-5393
PO Box 828, Morehead City, NC 28557 (252) 726-9481 PO Box 349, Boone, North Carolina 28607 (828) 262-1767

Table 1: MNA Parameters at Monitoring Well Locations Summary

Parameters	Method	mdl*	Units	MW-1	MW-3	MW-4	MW-6	MW-9	MW-11	MW-12
				07/29/09	07/29/09	07/29/09	07/29/09	07/29/09	07/29/09	07/29/09
VFA – Acetic Acid	AM23G	70	ug/L	BQL	BQL	BQL	BQL	BQL	BQL	BQL
VFA – Butyric Acid	AM23G	70	ug/L	BQL	BQL	BQL	BQL	BQL	BQL	BQL
VFA – i-Pentanoic Acid	AM23G	70	ug/L	BQL	BQL	BQL	BQL	BQL	BQL	BQL
VFA – Pentaonic Acid	AM23G	70	ug/L	BQL	BQL	BQL	BQL	BQL	BQL	BQL
HIBA	AM23G	100	ug/L	1400	BQL	BQL	BQL	BQL	BQL	BQL
VFA – Propionic Acid	AM23G	70	ug/L	BQL	BQL	BQL	BQL	BQL	BQL	BQL
VFA – Pyruvic Acid	AM23G	70	ug/L	BQL	BQL	BQL	BQL	BQL	BQL	BQL
VFA – Hexanoic Acid	AM23G	100	ug/L	BQL	BQL	BQL	BQL	BQL	BQL	BQL
VFA – i-Hexanoic Acid	AM23G	100	ug/L	BQL	BQL	BQL	BQL	110	BQL	BQL
Hydrogen	AM20GAX	0.6	nM	1.4	1.3	1.2	1.3	1.1	0.9	0.95
Methane	AM20GAX	0.015	ug/L	0.97	3200	1100	410	32	160	1800
Ethene	AM20GAX	0.01	ug/L	BQL	0.22	0.03	BQL	BQL	BQL	0.08
Ethane	AM20GAX	0.01	ug/L	BQL	0.06	0.1	BQL	0.03	BQL	BQL
CO2-Dissolved	SM4500CO2C	1	mg/L	29	145	355	64	64	24	84
Alkalinity	SM 2320B	1000	ug/L	BQL	79000	58000	BQL	9000	BQL	BQL
Sulfate	SM4500-SO4E	5000	ug/L	17200	18800	28500	25100	39100	12100	13400
Sulfide	SM4500-S2D	100	ug/L	na	BQL	na	na	na	na	na
Chloride	SM 4500-CLB	5000	ug/L	30000	59000	10000	BQL	9000	26000	50000
TOC	SM 5310C	150	ug/L	BQL	3100	8310	BQL	3100	BQL	5490
COD	HACH8000	10000	ug/L	10000	16000	20000	BQL	14000	BQL	15000
BOD	SM5210B	2000	ug/L	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Iron	SM3111B	14	ug/L	247	59250	22775	204	8320	804	208
Nitrate	EPA 353.2	30	ug/L	6640	BQL	BQL	3070	1640	2050	830
Temperature	SM2550B	0	Degrees C	18.34	21.21	22.04	21.12	20.63	18.78	20.76
ORP	SM2580B	-900	mV	381.6	77	-79.9	-87.7	82.6	74.7	176.8
DO	SM4500OG	0	mg/L	10.34	0.73	0.53	0.74	1.37	2.11	0.29
pH	SM4500HB	0	Standard Units	3.61	5.68	4.85	3.67	4.38	3.58	4.26
Specific Conductance	SM2510B	0	usohm/cm	118	386	163	63	180	44	218
Turbidity	SM2130B	0	NTU	28	3.5	4.5	6.3	23	19	1.9

Notes:
VFA = Volatile Fatty Acids
mdl* = Lowest Method Detection Limit for Lab Parameters or Lowest Field Measurement Possible
BQL = Below Quantitation Limit
>100 = CO2 Concentration Exceeds Maximum capability of Method Used
na = Not Available



Lenoir County Closed MSWLF and Active C&D Landfill
July 29, 2009

WELL #	TOP OF PIPE ELEVATION (FT)	DEPTH TO WATER (FT)	WATER ELEVATION (FT)
MW-1	98.34	13.65	84.69
MW-3	63.87	7.64	56.23
MW-4	68.03	8.37	59.66
MW-6	85.56	13.60	71.96
MW-9	62.40	6.52	55.88
MW-11	78.26	14.42	63.84
MW-12	77.46	17.27	60.19

Municipal Engineering Services Company, P.A.

GROUNDWATER SAMPLING
MUNICIPAL SOLID WASTE LANDFILL
LENOIR COUNTY
NORTH CAROLINA

NO. | BY | DATE | DESCRIPTION

POTENTIOMETRIC MAP
SINGLE DAY

SCALE: 1"=100'
DATE: 8/29/09
DRAWN BY: M. BERNAR
CHKD BY: A. KERR
PROJECT NUMBER
000010.0
DRAWING NO. FIV
SHEET NO. 1 of 1

Laboratory Results

Environment 1, Incorporated

Drinking Water ID: 37715
Wastewater ID: 10

P.O. BOX 7085, 114 OAKMONT DRIVE
GREENVILLE, N.C. 27835-7085

PHONE (252) 756-6208
FAX (252) 756-0633

ID#: 6009

LENOIR CO. LANDFILL (OLD)
COUNTY OF LENOIR
MR. TOM MILLER
P.O. BOX 756
KINSTON ,NC 28502

DATE COLLECTED: 07/29/09
DATE REPORTED : 09/04/09

REVIEWED BY:

PARAMETERS	MDL	SWSL	Well #1	Well #3	Well #4	Well #6	Well #9	Analysis Date	Analyst	Method Code
PH (field measurement), Units			3.61	5.68	4.85	3.67	4.38	07/29/09	RJH	SM4500HB
Total Alkalinity, mg/l	1.0	1.0	--- U	79	58	--- U	9	07/30/09	TRB	SM2320B
Chloride, mg/l	5.0	5.0	30	59	10	--- U	9	07/31/09	MJN	SM4500-CLB
Cyanide, ug/l	5.0	10.0		--- U				08/05/09	SEJ	SM4500 CN-
Total Dissolved Residue, mg/l	1.0	1.0	151	207	119	55	114	08/04/09	TRB	SM2540C
Sulfate, mg/l	5.0	250.0	17.2 J	18.8 J	28.5 J	25.1 J	39.1 J	08/14/09	TRB	SM4500-SO4
Antimony, ug/l	0.06	6.0	--- U	--- U	--- U	--- U	--- U	08/04/09	CMF	EPA200.8
Arsenic, ug/l	0.17	10.0	--- U	1.5 J	6.6 J	0.2 J	2.4 J	08/04/09	CMF	EPA200.8
Barium, ug/l	0.04	100.0	42.4 J	62.5 J	25.2 J	63.4 J	79.0 J	08/04/09	CMF	EPA200.8
Beryllium, ug/l	0.06	1.0	0.1 J	--- U	--- U	0.1 J	0.1 J	08/04/09	CMF	EPA200.8
Cadmium, ug/l	0.04	1.0	0.1 J	--- U	0.1 J	0.1 J	0.1 J	08/04/09	CMF	EPA200.8
Cobalt, ug/l	0.02	10.0	1.2 J	0.4 J	0.7 J	0.5 J	19	08/04/09	CMF	EPA200.8
Copper, ug/l	0.04	10.0	0.6 J	0.6 J	0.8 J	0.6 J	0.9 J	08/04/09	CMF	EPA200.8
Total Chromium, ug/l	0.10	10.0	--- U	--- U	0.7 J	--- U	0.1 J	08/04/09	CMF	EPA200.8
Iron, ug/l	14.0	300.0	247 J	59250	22775	204 J	8320	08/10/09	ADD	SM3111B
Lead, ug/l	0.04	10.0	0.7 J	--- U	0.2 J	0.5 J	0.2 J	08/04/09	CMF	EPA200.8
Mercury, ug/l	0.03	0.20	--- U	0.09 J	0.03 J	0.05 J	0.09 J	08/04/09	CMF	EPA200.8
Nickel, ug/l	0.04	50.0	1.4 J	1.0 J	0.8 J	1.1 J	3.3 J	08/04/09	CMF	EPA200.8
Selenium, ug/l	0.12	10.0	--- U	1.9 J	1.0 J	0.6 J	0.8 J	08/04/09	CMF	EPA200.8
Silver, ug/l	0.04	10.0	--- U	--- U	--- U	--- U	--- U	08/04/09	CMF	EPA200.8
Thallium, ug/l	0.03	5.0	--- U	--- U	--- U	0.2 J	0.2 J	08/04/09	CMF	EPA200.8
Tin, ug/l	2.75	100.0		--- U				08/04/09	CMF	EPA200.8
Vanadium, ug/l	0.28	25.0	--- U	--- U	2.5 J	--- U	--- U	08/04/09	CMF	EPA200.8
Zinc, ug/l	0.14	10.0	5.8 J	39	30	2.5 J	11	08/04/09	CMF	EPA200.8
Sulfide, ug/l	100	1000		--- U				08/04/09	LFJ	SM4500-S2D
Conductivity (at 25c), uMhos	1.0	1.0	118	386	163	63	180	07/29/09	RJH	SM2510B
Temperature, °C			18.34	21.21	22.04	21.12	20.63	07/29/09	RJH	SM2550B
Static Water Level, feet			13.65	7.64	8.37	13.60	6.52	07/29/09	RJH	
Well Depth, feet			38.94	15.82	15.92	16.96	21.82	07/29/09	RJH	

J = Between MDL and SWSL, U = Below ALL Quanititation Limits.

Environment 1, Incorporated

Drinking Water ID: 37715
Wastewater ID: 10

P.O. BOX 7085, 114 OAKMONT DRIVE
GREENVILLE, N.C. 27835-7085

PHONE (252) 756-6208
FAX (252) 756-0633

ID#: 6009

LENOIR CO. LANDFILL (OLD)
COUNTY OF LENOIR
MR. TOM MILLER
P.O. BOX 756
KINSTON ,NC 28502

DATE COLLECTED: 07/29/09
DATE REPORTED : 09/04/09

REVIEWED BY:

PARAMETERS	MDL	SWSL	Well #11	Well #12	Analysis Date	Analyst	Method Code
PH (field measurement), Units			3.58	4.26	07/29/09	RJH	SM4500HB
Total Alkalinity, mg/l	1.0	1.0	--- U	--- U	07/30/09	TRB	SM2320B
Chloride, mg/l	5.0	5.0	26	50	07/31/09	MJN	SM4500-CLB
Total Dissolved Residue, mg/l	1.0	1.0	41	146	08/04/09	TRB	SM2540C
Sulfate, mg/l	5.0	250.0	12.1 J	13.4 J	08/14/09	TRB	SM4500-SO4E
Antimony, ug/l	0.06	6.0	--- U	--- U	08/04/09	CMF	EPA200.8
Arsenic, ug/l	0.17	10.0	0.3 J	0.5 J	08/04/09	CMF	EPA200.8
Barium, ug/l	0.04	100.0	30.8 J	250	08/04/09	CMF	EPA200.8
Beryllium, ug/l	0.06	1.0	0.1 J	0.1 J	08/04/09	CMF	EPA200.8
Cadmium, ug/l	0.04	1.0	--- U	0.2 J	08/04/09	CMF	EPA200.8
Cobalt, ug/l	0.02	10.0	0.2 J	2.1 J	08/04/09	CMF	EPA200.8
Copper, ug/l	0.04	10.0	0.7 J	1.0 J	08/04/09	CMF	EPA200.8
Total Chromium, ug/l	0.10	10.0	0.2 J	0.2 J	08/04/09	CMF	EPA200.8
Iron, ug/l	14.0	300.0	804	208 J	08/10/09	ADD	SM3111B
Lead, ug/l	0.04	10.0	0.1 J	--- U	08/04/09	CMF	EPA200.8
Mercury, ug/l	0.03	0.20	--- U	0.13 J	08/04/09	CMF	EPA200.8
Nickel, ug/l	0.04	50.0	0.4 J	3.2 J	08/04/09	CMF	EPA200.8
Selenium, ug/l	0.12	10.0	--- U	1.8 J	08/04/09	CMF	EPA200.8
Silver, ug/l	0.04	10.0	--- U	--- U	08/04/09	CMF	EPA200.8
Thallium, ug/l	0.03	5.0	--- U	--- U	08/04/09	CMF	EPA200.8
Vanadium, ug/l	0.28	25.0	--- U	--- U	08/04/09	CMF	EPA200.8
Zinc, ug/l	0.14	10.0	3.6 J	3.4 J	08/04/09	CMF	EPA200.8
Conductivity (at 25c), uMhos	1.0	1.0	44	218	07/29/09	RJH	SM2510B
Temperature, °C			18.78	20.76	07/29/09	RJH	SM2550B
Static Water Level, feet			14.42	17.27	07/29/09	RJH	
Well Depth, feet			35.61	38.39	07/29/09	RJH	

J = Between MDL and SWSL, U = Below ALL Quanititation Limits.

Environment 1, Incorporated

Drinking Water ID: 37715
Wastewater ID: 10

P.O. BOX 7085, 114 OAKMONT DRIVE
GREENVILLE, N.C. 27835-7085

PHONE (252) 756-6208
FAX (252) 756-0633

ID#: 6009 X

LENOIR CO. LANDFILL (OLD)
COUNTY OF LENOIR
MR. TOM MILLER
P.O. BOX 756
KINSTON ,NC 28502

DATE COLLECTED: 07/29/09
DATE REPORTED : 08/17/09

REVIEWED BY:

PARAMETERS	MDL	SWSL	Well #1	Well #3	Well #4	Well #6	Well #9	Analysis Date	Analyst	Method Code
BOD, mg/l	2.0	2.0	--- U	--- U	--- U	--- U	--- U	07/30/09	TRB	SM5210B
COD, mg/l	10.0	10.0	10	16	20	--- U	14	08/11/09	TRB	HACH8000
Nitrate Nitrogen as N, mg/l	0.03	10.0	6.64 J	--- U	--- U	3.07 J	1.64 J	07/31/09	TWA	EPA353.2
Total Organic Carbon, mg/l	0.15	1.0	--- U	3.10	8.31	--- U	3.1	08/06/09	SEJ	SM5310C
Turbidity, NTU	1.0	1.0	28	3.5	4.5	6.3	23	07/29/09	RJH	SM2130B
Dissolved Oxygen, mg/l			10.34	0.73	0.53	0.74	1.37	07/29/09	RJH	SM4500OG
Carbon Dioxide, mg/l			29	145	355	64	64	07/29/09	RJH	SM4500CO2C
ORP, mv			381.6	77.0	-79.9	-87.7	82.6	07/29/09	RJH	SM2580B

J = Between MDL and SWSL, U = Below ALL Quanititation Limits.

Environment 1, Incorporated

Drinking Water ID: 37715
Wastewater ID: 10

P.O. BOX 7085, 114 OAKMONT DRIVE
GREENVILLE, N.C. 27835-7085

PHONE (252) 756-6208
FAX (252) 756-0633

ID#: 6009 X

LENOIR CO. LANDFILL (OLD)
COUNTY OF LENOIR
MR. TOM MILLER
P.O. BOX 756
KINSTON ,NC 28502

DATE COLLECTED: 07/29/09
DATE REPORTED : 08/17/09

REVIEWED BY:

PARAMETERS	MDL	SWSL	Well #11	Well #12	Analysis Date	Analyst	Method Code
BOD, mg/l	2.0	2.0	--- U	--- U	07/30/09	TRB	SM5210B
COD, mg/l	10.0	10.0	--- U	15	08/11/09	TRB	HACH8000
Nitrate Nitrogen as N, mg/l	0.03	10.0	2.05 J	0.83 J	07/31/09	TWA	EPA353.2
Total Organic Carbon, mg/l	0.15	1.0	--- U	5.49	08/06/09	SEJ	SM5310C
Turbidity, NTU	1.0	1.0	19	1.9	07/29/09	RJH	SM2130B
Dissolved Oxygen, mg/l			2.11	0.29	07/29/09	RJH	SM4500OG
Carbon Dioxide, mg/l			24	84	07/29/09	RJH	SM4500CO2C
ORP, mv			74.7	176.8	07/29/09	RJH	SM2580B

J = Between MDL and SWSL, U = Below ALL Quanititation Limits.

Environment 1, Incorporated

Drinking Water ID: 37715
Wastewater ID: 10

P.O. BOX 7085, 114 OAKMONT DRIVE
GREENVILLE, N.C. 27835-7085

PHONE (252) 756-6208
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CLIENT: LENOIR CO. LANDFILL (OLD)
COUNTY OF LENOIR
MR. TOM MILLER
P.O. BOX 756
KINSTON, NC 28502

CLIENT ID: 6009

ANALYST: MAO
DATE COLLECTED: 07/29/09
DATE ANALYZED: 08/04/09
DATE REPORTED: 09/04/09

REVIEWED BY:

VOLATILE ORGANICS
EPA METHOD 8260B

PARAMETERS, ug/l	MDL	SWSL	Well #1	Well #4	Well #6	Well #9	Well #11
1. Chloromethane	0.18	1.0	0.20 J	--- U	--- U	--- U	--- U
2. Vinyl Chloride	0.34	1.0	--- U	--- U	--- U	--- U	0.40 J
3. Bromomethane	0.26	10.0	--- U	--- U	--- U	--- U	--- U
4. Chloroethane	0.29	10.0	--- U	--- U	--- U	--- U	--- U
5. Trichlorofluoromethane	0.13	1.0	--- U	--- U	--- U	--- U	--- U
6. 1,1-Dichloroethene	0.14	5.0	--- U	--- U	--- U	--- U	--- U
7. Acetone	1.21	100.0	--- U	--- U	--- U	--- U	--- U
8. Iodomethane	0.12	10.0	--- U	--- U	--- U	--- U	--- U
9. Carbon Disulfide	0.14	100.0	--- U	--- U	--- U	--- U	--- U
10. Methylene Chloride	0.14	1.0	--- U	--- U	--- U	--- U	--- U
11. trans-1,2-Dichloroethene	0.13	5.0	--- U	--- U	--- U	--- U	--- U
12. 1,1-Dichloroethane	0.16	5.0	--- U	0.40 J	--- U	--- U	--- U
13. Vinyl Acetate	0.20	50.0	--- U	--- U	--- U	--- U	--- U
14. Cis-1,2-Dichloroethene	0.14	5.0	--- U	--- U	--- U	--- U	--- U
15. 2-Butanone	0.85	100.0	--- U	--- U	1.90 J	1.50 J	1.60 J
16. Bromochloromethane	0.11	3.0	--- U	--- U	--- U	--- U	--- U
17. Chloroform	0.13	5.0	--- U	--- U	--- U	--- U	--- U
18. 1,1,1-Trichloroethane	0.11	1.0	--- U	--- U	--- U	--- U	--- U
19. Carbon Tetrachloride	0.13	1.0	--- U	--- U	--- U	--- U	--- U
20. Benzene	0.16	1.0	--- U	1.00	--- U	--- U	--- U
21. 1,2-Dichloroethane	0.12	1.0	--- U	--- U	--- U	--- U	--- U
22. Trichloroethene	0.13	1.0	--- U	--- U	--- U	--- U	--- U
23. 1,2-Dichloropropane	0.17	1.0	--- U	--- U	--- U	--- U	0.40 J
24. Bromodichloromethane	0.13	1.0	--- U	--- U	--- U	--- U	--- U
25. Cis-1,3-Dichloropropene	0.17	1.0	--- U	--- U	--- U	--- U	--- U
26. 4-Methyl-2-Pentanone	0.68	100.0	--- U	--- U	--- U	--- U	--- U
27. Toluene	0.13	1.0	--- U	--- U	--- U	--- U	--- U
28. trans-1,3-Dichloropropene	0.14	1.0	--- U	--- U	--- U	--- U	--- U
29. 1,1,2-Trichloroethane	0.20	1.0	--- U	--- U	--- U	--- U	--- U
30. Tetrachloroethene	0.16	1.0	--- U	--- U	0.20 J	--- U	--- U
31. 2-Hexanone	1.00	50.0	--- U	--- U	--- U	--- U	--- U
32. Dibromochloromethane	0.14	3.0	--- U	--- U	--- U	--- U	--- U
33. 1,2-Dibromoethane	0.13	1.0	--- U	--- U	--- U	--- U	--- U
34. Chlorobenzene	0.13	3.0	--- U	3.30	--- U	--- U	--- U
35. 1,1,1,2-Tetrachloroethane	0.14	5.0	--- U	--- U	--- U	--- U	--- U
36. Ethylbenzene	0.16	1.0	--- U	--- U	--- U	--- U	--- U
37. Xylenes	0.48	5.0	--- U	--- U	--- U	--- U	--- U
38. Dibromomethane	0.17	10.0	--- U	--- U	--- U	--- U	--- U
39. Styrene	0.16	1.0	--- U	--- U	--- U	--- U	--- U
40. Bromoform	0.11	3.0	--- U	--- U	--- U	--- U	--- U
41. 1,1,2,2-Tetrachloroethane	0.16	3.0	--- U	--- U	--- U	--- U	--- U
42. 1,2,3-Trichloropropane	0.06	1.0	--- U	--- U	--- U	--- U	--- U
43. 1,4-Dichlorobenzene	0.21	1.0	--- U	0.50 J	--- U	--- U	--- U
44. 1,2-Dichlorobenzene	0.13	5.0	--- U	--- U	--- U	--- U	--- U
45. 1,2-Dibromo-3-Chloropropane	0.26	13.0	--- U	--- U	--- U	--- U	--- U
46. Acrylonitrile	1.49	200.0	--- U	--- U	--- U	--- U	--- U
47. trans-1,4-Dichloro-2-Butene	0.14	100.0	--- U	--- U	--- U	--- U	--- U

J = Between MDL and SWSL, U = Below ALL Quanititation Limits.

Environment 1, Incorporated

Drinking Water ID: 37715
Wastewater ID: 10

P.O. BOX 7085, 114 OAKMONT DRIVE
GREENVILLE, N.C. 27835-7085

PHONE (252) 756-6208
FAX (252) 756-0633

CLIENT: LENOIR CO. LANDFILL (OLD)
COUNTY OF LENOIR
MR. TOM MILLER
P.O. BOX 756
KINSTON, NC 28502

CLIENT ID: 6009

ANALYST: MAO
DATE COLLECTED: 07/29/09
DATE ANALYZED: 08/04/09
DATE REPORTED: 09/04/09

REVIEWED BY: _____

VOLATILE ORGANICS
EPA METHOD 8260B

PARAMETERS, ug/l	MDL	SWSL	Well #12
1. Chloromethane	0.18	1.0	--- U
2. Vinyl Chloride	0.34	1.0	0.50 J
3. Bromomethane	0.26	10.0	--- U
4. Chloroethane	0.29	10.0	--- U
5. Trichlorofluoromethane	0.13	1.0	--- U
6. 1,1-Dichloroethene	0.14	5.0	--- U
7. Acetone	1.21	100.0	5.30 J
8. Iodomethane	0.12	10.0	--- U
9. Carbon Disulfide	0.14	100.0	--- U
10. Methylene Chloride	0.14	1.0	--- U
11. trans-1,2-Dichloroethene	0.13	5.0	--- U
12. 1,1-Dichloroethane	0.16	5.0	--- U
13. Vinyl Acetate	0.20	50.0	--- U
14. Cis-1,2-Dichloroethene	0.14	5.0	--- U
15. 2-Butanone	0.85	100.0	1.80 J
16. Bromochloromethane	0.11	3.0	--- U
17. Chloroform	0.13	5.0	--- U
18. 1,1,1-Trichloroethane	0.11	1.0	--- U
19. Carbon Tetrachloride	0.13	1.0	--- U
20. Benzene	0.16	1.0	0.50 J
21. 1,2-Dichloroethane	0.12	1.0	--- U
22. Trichloroethene	0.13	1.0	--- U
23. 1,2-Dichloropropane	0.17	1.0	--- U
24. Bromodichloromethane	0.13	1.0	--- U
25. Cis-1,3-Dichloropropene	0.17	1.0	--- U
26. 4-Methyl-2-Pentanone	0.68	100.0	--- U
27. Toluene	0.13	1.0	--- U
28. trans-1,3-Dichloropropene	0.14	1.0	--- U
29. 1,1,2-Trichloroethane	0.20	1.0	--- U
30. Tetrachloroethene	0.16	1.0	--- U
31. 2-Hexanone	1.00	50.0	--- U
32. Dibromochloromethane	0.14	3.0	--- U
33. 1,2-Dibromoethane	0.13	1.0	--- U
34. Chlorobenzene	0.13	3.0	--- U
35. 1,1,1,2-Tetrachloroethane	0.14	5.0	--- U
36. Ethylbenzene	0.16	1.0	--- U
37. Xylenes	0.48	5.0	--- U
38. Dibromomethane	0.17	10.0	--- U
39. Styrene	0.16	1.0	--- U
40. Bromoform	0.11	3.0	--- U
41. 1,1,2,2-Tetrachloroethane	0.16	3.0	--- U
42. 1,2,3-Trichloropropane	0.06	1.0	--- U
43. 1,4-Dichlorobenzene	0.21	1.0	--- U
44. 1,2-Dichlorobenzene	0.13	5.0	--- U
45. 1,2-Dibromo-3-Chloropropane	0.26	13.0	--- U
46. Acrylonitrile	1.49	200.0	--- U
47. trans-1,4-Dichloro-2-Butene	0.14	100.0	--- U

J = Between MDL and SWSL, U = Below ALL Quanititation Limits.

Environment 1, Incorporated

Drinking Water ID: 37715
Wastewater ID: 10

P.O. BOX 7085, 114 OAKMONT DRIVE
GREENVILLE, N.C. 27835-7085

PHONE (252) 756-6208
FAX (252) 756-0633

CLIENT: LENOIR CO. LANDFILL (OLD)
COUNTY OF LENOIR
MR. TOM MILLER
P.O. BOX 756
KINSTON, NC 28502

REVIEWED BY:

CLIENT ID: 6009

ANALYST: CHS
DATE COLLECTED: 07/29/09
DATE EXTRACTED: 07/31/09
DATE ANALYZED: 08/27/09
DATE REPORTED: 09/04/09

PESTICIDES AND PCB'S
EPA METHOD 8081A

PARAMETERS, ug/l	MDL	SWSL	Well #3
1. Aldrin	0.029	0.05	--- U
2. Alpha-BHC	0.032	0.05	--- U
3. Beta-BHC	0.031	0.05	0.049 J
4. Delta-BHC	0.030	0.05	--- U
5. Gamma-BHC (Lindane)	0.032	0.05	--- U
6. Chlordane	0.320	0.50	--- U
7. 4,4-DDD	0.051	0.10	--- U
8. 4,4-DDE	0.049	0.10	--- U
9. 4,4-DDT	0.052	0.10	--- U
10. Dieldrin	0.042	0.07	--- U
11. Endosulfan I	0.056	0.10	--- U
12. Endosulfan II	0.046	0.10	--- U
13. Endosulfan Sulfate	0.072	0.10	--- U
14. Endrin	0.053	0.10	--- U
15. Endrin Aldehyde	0.068	0.10	--- U
16. Heptachlor	0.039	0.05	--- U
17. Hepthchlor Epoxide	0.042	0.07	--- U
18. Methoxychlor	0.530	1.00	--- U
19. Pcb's (Aroclors)	0.500	2.00	--- U
20. Toxaphene	0.690	1.00	--- U

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CLIENT ID: 6009

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DATE ANALYZED: 08/25/09
DATE REPORTED: 09/04/09

LANDFILL APPENDIX II
EPA METHOD 8151A

PARAMETERS, ug/l	MDL	SWSL	Well #3
1. 2,4-D	0.36	2.0	--- U
2. Dinoseb	0.54	1.0	--- U
3. 2,4,5-TP	0.42	2.0	--- U
4. 2,4,5-T	0.47	2.0	--- U

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DATE ANALYZED: 08/17/09
DATE REPORTED: 09/04/09

SEMI-VOLATILE ORGANICS
EPA METHOD 8270C

PARAMETERS, ug/l	MDL	SWSL	Well #3
1. Acenaphthene	2.66	10.0	--- U
2. Acenaphthylene	2.60	10.0	--- U
3. Anthracene	2.97	10.0	--- U
4. Benzo[a]antrhacene	4.16	10.0	--- U
5. Benzo[b]fluoranthene	3.32	10.0	--- U
6. Benzo[k]fluoranthene	4.23	10.0	--- U
7. Benzo[g,h,i]perylene	2.61	10.0	--- U
8. Benzo[a]pyrene	3.27	10.0	--- U
9. 4-Bromophenyl Phenyl Ether	2.63	10.0	--- U
10. Butyl Benzyl Phthalate	5.78	10.0	--- U
11. Bis-(2-Chloroethoxy) Methane	3.14	10.0	--- U
12. Bis-(2-Chloroethyl) Ether	2.58	10.0	--- U
13. Bis-(2-Chloroisopropyl) Ether	2.58	10.0	--- U
14. 2-Chloronaphthalene	2.17	10.0	--- U
15. 4-Chlorophenyl Phenyl Ether	2.42	10.0	--- U
16. Chrysene	4.04	10.0	--- U
17. Dibenzo[a,h]anthracene	2.78	10.0	--- U
18. Di-N-Butyl Phthalate	3.09	10.0	--- U
19. Dimethyl Phthalate	3.78	10.0	--- U
20. Diethyl Phthalate	3.92	10.0	--- U
21. 2,4-Dinitrotoluene	3.95	10.0	--- U
22. 2,6-Dinitrotoluene	3.88	10.0	--- U
23. Di-N-Octyl Phthalate	2.81	10.0	--- U
24. Bis-(2-Ethylhexyl) Phthalate	9.97	15.0	--- U
25. Fluoranthene	3.92	10.0	--- U
26. Fluorene	2.95	10.0	--- U
27. Hexachlorobenzene	2.61	10.0	--- U
28. Hexachlorocyclopentadiene	4.16	10.0	--- U
29. Indeno[1,2,3-Cd]pyrene	2.91	10.0	--- U
30. Isophorone	3.74	10.0	--- U
31. Nitrobenzene	2.85	10.0	--- U
32. N-Nitrosodimethylamine	4.25	10.0	--- U
33. N-Nitrosodiphenylamine	3.95	10.0	--- U
34. N-Nitrosodi-N-Propylamine	4.06	10.0	--- U
35. Phenanthrene	3.24	10.0	--- U
36. Pyrene	3.63	10.0	--- U
37. 4-Chloro-3-Methylphenol	3.79	20.0	--- U
38. 2-Chlorophenol	2.75	10.0	--- U
39. O-Cresol	3.68	10.0	--- U
40. P-Cresol	4.12	10.0	--- U
41. 2,4-Dichlorophenol	5.19	10.0	--- U
42. 2,6-Dichlorophenol	4.89	10.0	--- U
43. 2,4-Dimethylphenol	3.21	10.0	--- U
44. 4,6-Dinitro-2-Methylphenol	4.77	50.0	--- U
45. 2,4-Dinitrophenol	4.37	50.0	--- U
46. Ethyl Methanesulfonate	5.26	10.0	--- U
47. Methyl Methanesulfonate	4.92	10.0	--- U
48. 2-Nitrophenol	3.64	10.0	--- U

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Environment 1, Incorporated

Drinking Water ID: 37715
Wastewater ID: 10

P.O. BOX 7085, 114 OAKMONT DRIVE
GREENVILLE, N.C. 27835-7085

PHONE (252) 756-6208
FAX (252) 756-0633

CLIENT: LENOIR CO. LANDFILL (OLD)
COUNTY OF LENOIR
MR. TOM MILLER
P.O. BOX 756
KINSTON, NC 28502

REVIEWED BY:

CLIENT ID: 6009

ANALYST: CHS
DATE COLLECTED: 07/29/09
DATE EXTRACTED: 07/30/09
DATE ANALYZED: 08/17/09
DATE REPORTED: 09/04/09

SEMI-VOLATILE ORGANICS
EPA METHOD 8270C

PARAMETERS, ug/l	MDL	SWSL	Well #3
49. 4-Nitrophenol	3.17	50.0	--- U
50. Pentachlorophenol	5.33	25.0	--- U
51. Phenol	1.86	10.0	--- U
52. 2,3,4,6-Tetrachlorophenol	3.12	10.0	--- U
53. 2,4,5-Trichlorophenol	4.17	10.0	--- U
54. 2,4,6-Trichlorophenol	3.84	10.0	--- U
55. Acetophenone	2.89	10.0	--- U
56. 2-Acetylaminofluorene	3.98	20.0	--- U
57. 4-Aminobiphenyl	4.12	20.0	--- U
58. Benzyl Alcohol	4.47	20.0	--- U
59. 4-Chloroaniline	3.36	20.0	--- U
60. Chlorobenzilate	5.12	10.0	--- U
61. Diallate	2.98	10.0	--- U
62. Dibenzofuran	4.28	10.0	--- U
63. 3,3-Dichlorobenzidine	4.22	20.0	--- U
64. Dimethoate	3.98	20.0	--- U
65. P-Dimethylaminoazobenzene	2.89	10.0	--- U
66. 7,12-Dimethylbenz[a]anthracene	5.26	10.0	--- U
67. 3,3-Dimethylbenzadine	3.21	10.0	--- U
68. 1,3-Dinitrobenzene	2.89	20.0	--- U
69. Diphenylamine	5.10	10.0	--- U
70. Disulfoton	4.28	10.0	--- U
71. Famphur	3.98	20.0	--- U
72. Hexachloropropene	4.31	10.0	--- U
73. Isosafrole	2.88	10.0	--- U
74. Kepone	2.78	20.0	--- U
75. Methapyrilene	3.54	100.0	--- U
76. 3-Methylchloroanthrene	4.21	10.0	--- U
77. 2-Methylnaphthalene	3.79	10.0	--- U
78. Methyl Parathion	4.32	10.0	--- U
79. m-Cresol	3.81	10.0	--- U
80. 1,4-Naphthoquinone	4.00	10.0	--- U
81. 1-Naphthylamine	5.61	10.0	--- U
82. 2-Naphthylamine	4.62	10.0	--- U
83. 2-Nitroaniline	3.61	50.0	--- U
84. 3-Nitroaniline	4.81	50.0	--- U
85. 4-Nitroaniline	4.22	20.0	--- U
86. 5-Nitro-O-Toluidine	4.01	10.0	--- U
87. N-Nitrosodi-n-butylamine	3.63	10.0	--- U
88. N-Nitrosodiethylamine	3.83	20.0	--- U
89. N-Nitrosomethylethylamine	3.83	10.0	--- U
90. N-Nitrosopiperidine	5.19	20.0	--- U
91. N-Nitrosopyrrolidine	2.89	10.0	--- U
92. Parathion	3.12	10.0	--- U
93. Pentachlorobenzene	3.92	10.0	--- U
94. Pentachloronitrobenzene	3.71	20.0	--- U
95. Phenacetin	4.41	20.0	--- U
96. 1,4 Benzenediamine	2.99	10.0	--- U

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Environment 1, Incorporated

Drinking Water ID: 37715
Wastewater ID: 10

P.O. BOX 7085, 114 OAKMONT DRIVE
GREENVILLE, N.C. 27835-7085

PHONE (252) 756-6208
FAX (252) 756-0633

CLIENT: LENOIR CO. LANDFILL (OLD)
COUNTY OF LENOIR
MR. TOM MILLER
P.O. BOX 756
KINSTON, NC 28502

REVIEWED BY: _____

CLIENT ID: 6009

ANALYST: CHS
DATE COLLECTED: 07/29/09
DATE EXTRACTED: 07/30/09
DATE ANALYZED: 08/17/09
DATE REPORTED: 09/04/09

SEMI-VOLATILE ORGANICS
EPA METHOD 8270C

PARAMETERS, ug/l	MDL	SWSL	Well #3
97. Phorate	3.86	10.0	--- U
98. Pronamide	3.69	10.0	--- U
99. Safrole	4.12	10.0	--- U
100. 1,2,4,5-Tetrachlorobenzene	5.01	10.0	--- U
101. Thionazin	4.62	20.0	--- U
102. O-Toluidine	4.11	10.0	--- U
103. 1,3,5-Trinitrobenzene	3.98	10.0	--- U
104. 0,0,0-Triethyl Phosphorothioate	3.61	10.0	--- U
105. Hexachloroethane	1.49	10.0	--- U
106. Isodrin	3.11	20.0	--- U

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LANDFILL APPENDIX II
EPA METHOD 8260B

PARAMETERS, ug/l	MDL	SWSL	Well #3
1. Chloromethane	0.18	1.0	0.20 J
2. Vinyl Chloride	0.34	1.0	16.10
3. Bromomethane	0.26	10.0	--- U
4. Chloroethane	0.29	10.0	--- U
5. Trichlorofluoromethane	0.13	1.0	--- U
6. 1,1-Dichloroethene	0.14	5.0	0.70 J
7. Acetone	1.21	100.0	--- U
8. Iodomethane	0.12	10.0	--- U
9. Carbon Disulfide	0.14	100.0	1.20 J
10. Methylene Chloride	0.14	1.0	0.30 J
11. trans-1,2-Dichloroethene	0.13	5.0	0.30 J
12. 1,1-Dichloroethane	0.16	5.0	18.90
13. Vinyl Acetate	0.20	50.0	--- U
14. Cis-1,2-Dichloroethene	0.14	5.0	21.50
15. 2-Butanone	0.85	100.0	1.90 J
16. Bromochloromethane	0.11	3.0	--- U
17. Chloroform	0.13	5.0	--- U
18. 1,1,1-Trichloroethane	0.11	1.0	--- U
19. Carbon Tetrachloride	0.13	1.0	--- U
20. Benzene	0.16	1.0	4.30
21. 1,2-Dichloroethane	0.12	1.0	2.50
22. Trichloroethene	0.13	1.0	3.60
23. 1,2-Dichloropropane	0.17	1.0	--- U
24. Bromodichloromethane	0.13	1.0	--- U
25. Cis-1,3-Dichloropropene	0.17	1.0	--- U
26. 4-Methyl-2-Pentanone	0.68	100.0	--- U
27. Toluene	0.13	1.0	0.50 J
28. trans-1,3-Dichloropropene	0.14	1.0	--- U
29. 1,1,2-Trichloroethane	0.20	1.0	--- U
30. Tetrachloroethene	0.16	1.0	2.70
31. 2-Hexanone	1.00	50.0	--- U
32. Dibromochloromethane	0.14	3.0	--- U
33. 1,2-Dibromoethane	0.13	1.0	--- U
34. Chlorobenzene	0.13	3.0	1.40 J
35. 1,1,1,2-Tetrachloroethane	0.14	5.0	--- U
36. Ethylbenzene	0.16	1.0	1.40
37. Xylenes	0.48	5.0	1.30 J
38. Dibromomethane	0.17	10.0	--- U
39. Styrene	0.16	1.0	--- U
40. Bromoform	0.11	3.0	--- U
41. 1,1,2,2-Tetrachloroethane	0.16	3.0	--- U
42. 1,2,3-Trichloropropane	0.06	1.0	--- U
43. 1,4-Dichlorobenzene	0.21	1.0	2.00
44. 1,2-Dichlorobenzene	0.13	5.0	--- U
45. 1,2-Dibromo-3-Chloropropane	0.26	13.0	--- U
46. Acrylonitrile	1.49	200.0	--- U
47. trans-1,4-Dichloro-2-Butene	0.14	100.0	--- U
48. Acrolein	5.46	50.0	--- U

J = Between MDL and SWSL, U = Below ALL Quanititation Limits.

Environment 1, Incorporated

Drinking Water ID: 37715
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P.O. BOX 7085, 114 OAKMONT DRIVE
GREENVILLE, N.C. 27835-7085

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CLIENT ID: 6009

ANALYST: MAO
DATE COLLECTED: 07/29/09
DATE ANALYZED: 08/04/09
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REVIEWED BY:

LANDFILL APPENDIX II
EPA METHOD 8260B

PARAMETERS, ug/l	MDL	SWSL	Well #3
49. Allyl Chloride	0.17	10.0	--- U
50. Chloroprene	0.16	20.0	--- U
51. 1,3-Dichlorobenzene	0.13	5.0	--- U
52. Dichlorodifluoromethane	0.16	5.0	2.90 J
53. 1,3-Dichloropropane	0.12	1.0	--- U
54. 2,2-Dichloropropane	0.18	15.0	--- U
55. 1,1-Dichloropropene	0.13	5.0	--- U
56. Ethyl Methacrylate	0.14	10.0	--- U
57. Hexachlorobutadiene	0.22	10.0	--- U
58. Isobutyl Alcohol	5.23	100.0	--- U
59. Methacrylonitrile	1.64	100.0	--- U
60. Methyl Methacrylate	0.10	30.0	--- U
61. Naphthalene	0.13	10.0	0.40 J
62. Propionitrile	1.60	150.0	--- U
63. 1,2,4-Trichlorobenzene	0.11	10.0	--- U
64. Acetonitrile	5.96	50.0	--- U

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PHONE (252) 756-6208
FAX (252) 756-0633

ID#: 6009 A

LENOIR CO. LANDFILL (OLD)
COUNTY OF LENOIR
MR. TOM MILLER
P.O. BOX 756
KINSTON ,NC 28502

DATE COLLECTED: 07/29/09
DATE REPORTED : 09/04/09

REVIEWED BY:

PARAMETERS	MDL	SWSL	Trip Blank	Equipment Blank	Analysis Date	Analyst	Method Code
Cyanide, ug/l	5.0	10.0		--- U	08/05/09	SEJ	SM4500 CN-E
Antimony, ug/l	0.06	6.0		--- U	08/04/09	CMF	EPA200.8
Arsenic, ug/l	0.17	10.0		0.2 J	08/04/09	CMF	EPA200.8
Barium, ug/l	0.04	100.0		0.3 J	08/04/09	CMF	EPA200.8
Beryllium, ug/l	0.06	1.0		--- U	08/04/09	CMF	EPA200.8
Cadmium, ug/l	0.04	1.0		--- U	08/04/09	CMF	EPA200.8
Cobalt, ug/l	0.02	10.0		--- U	08/04/09	CMF	EPA200.8
Copper, ug/l	0.04	10.0		0.3 J	08/04/09	CMF	EPA200.8
Total Chromium, ug/l	0.10	10.0		--- U	08/04/09	CMF	EPA200.8
Iron, ug/l	14.0	300.0		142 J	08/10/09	ADD	SM3111B
Lead, ug/l	0.04	10.0		--- U	08/04/09	CMF	EPA200.8
Mercury, ug/l	0.03	0.20		--- U	08/04/09	CMF	EPA200.8
Nickel, ug/l	0.04	50.0		0.3 J	08/04/09	CMF	EPA200.8
Selenium, ug/l	0.12	10.0		--- U	08/04/09	CMF	EPA200.8
Silver, ug/l	0.04	10.0		--- U	08/04/09	CMF	EPA200.8
Thallium, ug/l	0.03	5.0		--- U	08/04/09	CMF	EPA200.8
Tin, ug/l	2.75	100.0		--- U	08/04/09	CMF	EPA200.8
Vanadium, ug/l	0.28	25.0		--- U	08/04/09	CMF	EPA200.8
Zinc, ug/l	0.14	10.0		0.9 J	08/04/09	CMF	EPA200.8
Sulfide, ug/l	100	1000		--- U	08/04/09	LFJ	SM4500-S2D

J = Between MDL and SWSL, U = Below ALL Quanititation Limits.

Environment 1, Incorporated

Drinking Water ID: 37715
Wastewater ID: 10

P.O. BOX 7085, 114 OAKMONT DRIVE
GREENVILLE, N.C. 27835-7085

PHONE (252) 756-6208
FAX (252) 756-0633

CLIENT: LENOIR CO. LANDFILL (OLD)
COUNTY OF LENOIR
MR. TOM MILLER
P.O. BOX 756
KINSTON, NC 28502

REVIEWED BY: _____

CLIENT ID: 6009 A

ANALYST: CHS
DATE COLLECTED: 07/29/09
DATE EXTRACTED: 07/31/09
DATE ANALYZED: 08/27/09
DATE REPORTED: 09/04/09

PESTICIDES AND PCB'S
EPA METHOD 8081A

PARAMETERS, ug/l	MDL	SWSL	Equipment Blank
1. Aldrin	0.029	0.05	--- U
2. Alpha-BHC	0.032	0.05	--- U
3. Beta-BHC	0.031	0.05	--- U
4. Delta-BHC	0.030	0.05	--- U
5. Gamma-BHC (Lindane)	0.032	0.05	--- U
6. Chlordane	0.320	0.50	--- U
7. 4,4-DDD	0.051	0.10	--- U
8. 4,4-DDE	0.049	0.10	--- U
9. 4,4-DDT	0.052	0.10	--- U
10. Dieldrin	0.042	0.07	--- U
11. Endosulfan I	0.056	0.10	--- U
12. Endosulfan II	0.046	0.10	--- U
13. Endosulfan Sulfate	0.072	0.10	--- U
14. Endrin	0.053	0.10	--- U
15. Endrin Aldehyde	0.068	0.10	--- U
16. Heptachlor	0.039	0.05	--- U
17. Hepthchlor Epoxide	0.042	0.07	--- U
18. Methoxychlor	0.530	1.00	--- U
19. Pcb's (Aroclors)	0.500	2.00	--- U
20. Toxaphene	0.690	1.00	--- U

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Environment 1, Incorporated

Drinking Water ID: 37715
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P.O. BOX 7085, 114 OAKMONT DRIVE
GREENVILLE, N.C. 27835-7085

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CLIENT: LENOIR CO. LANDFILL (OLD)
COUNTY OF LENOIR
MR. TOM MILLER
P.O. BOX 756
KINSTON, NC 28502

REVIEWED BY:

CLIENT ID: 6009 A

ANALYST: CHS
DATE COLLECTED: 07/29/09
DATE EXTRACTED: 08/05/09
DATE ANALYZED: 08/25/09
DATE REPORTED: 09/04/09

LANDFILL APPENDIX II
EPA METHOD 8151A

PARAMETERS, ug/l	MDL	SWSL	Equipment Blank
1. 2,4-D	0.36	2.0	--- U
2. Dinoseb	0.54	1.0	--- U
3. 2,4,5-TP	0.42	2.0	--- U
4. 2,4,5-T	0.47	2.0	--- U

J = Between MDL and SWSL, U = Below ALL Quanititation Limits.

Environment 1, Incorporated

Drinking Water ID: 37715
Wastewater ID: 10

P.O. BOX 7085, 114 OAKMONT DRIVE
GREENVILLE, N.C. 27835-7085

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CLIENT: LENOIR CO. LANDFILL (OLD)
COUNTY OF LENOIR
MR. TOM MILLER
P.O. BOX 756
KINSTON, NC 28502

REVIEWED BY: _____

CLIENT ID: 6009 A

ANALYST: CHS
DATE COLLECTED: 07/29/09
DATE EXTRACTED: 07/30/09
DATE ANALYZED: 08/17/09
DATE REPORTED: 09/04/09

SEMI-VOLATILE ORGANICS
EPA METHOD 8270C

PARAMETERS, ug/l	MDL	SWSL	Equipment Blank
1. Acenaphthene	2.66	10.0	--- U
2. Acenaphthylene	2.60	10.0	--- U
3. Anthracene	2.97	10.0	--- U
4. Benzo[a]antrhacene	4.16	10.0	--- U
5. Benzo[b]fluoranthene	3.32	10.0	--- U
6. Benzo[k]fluoranthene	4.23	10.0	--- U
7. Benzo[g,h,i]perylene	2.61	10.0	--- U
8. Benzo[a]pyrene	3.27	10.0	--- U
9. 4-Bromophenyl Phenyl Ether	2.63	10.0	--- U
10. Butyl Benzyl Phthalate	5.78	10.0	--- U
11. Bis-(2-Chloroethoxy) Methane	3.14	10.0	--- U
12. Bis-(2-Chloroethyl) Ether	2.58	10.0	--- U
13. Bis-(2-Chloroisopropyl) Ether	2.58	10.0	--- U
14. 2-Chloronaphthalene	2.17	10.0	--- U
15. 4-Chlorophenyl Phenyl Ether	2.42	10.0	--- U
16. Chrysene	4.04	10.0	--- U
17. Dibenzo[a,h]anthracene	2.78	10.0	--- U
18. Di-N-Butyl Phthalate	3.09	10.0	--- U
19. Dimethyl Phthalate	3.78	10.0	--- U
20. Diethyl Phthalate	3.92	10.0	--- U
21. 2,4-Dinitrotoluene	3.95	10.0	--- U
22. 2,6-Dinitrotoluene	3.88	10.0	--- U
23. Di-N-Octyl Phthalate	2.81	10.0	--- U
24. Bis-(2-Ethylhexyl) Phthalate	9.97	15.0	--- U
25. Fluoranthene	3.92	10.0	--- U
26. Fluorene	2.95	10.0	--- U
27. Hexachlorobenzene	2.61	10.0	--- U
28. Hexachlorocyclopentadiene	4.16	10.0	--- U
29. Indeno[1,2,3-Cd]pyrene	2.91	10.0	--- U
30. Isophorone	3.74	10.0	--- U
31. Nitrobenzene	2.85	10.0	--- U
32. N-Nitrosodimethylamine	4.25	10.0	--- U
33. N-Nitrosodiphenylamine	3.95	10.0	--- U
34. N-Nitrosodi-N-Propylamine	4.06	10.0	--- U
35. Phenanthrene	3.24	10.0	--- U
36. Pyrene	3.63	10.0	--- U
37. 4-Chloro-3-Methylphenol	3.79	20.0	--- U
38. 2-Chlorophenol	2.75	10.0	--- U
39. O-Cresol	3.68	10.0	--- U
40. P-Cresol	4.12	10.0	--- U
41. 2,4-Dichlorophenol	5.19	10.0	--- U
42. 2,6-Dichlorophenol	4.89	10.0	--- U
43. 2,4-Dimethylphenol	3.21	10.0	--- U
44. 4,6-Dinitro-2-Methylphenol	4.77	50.0	--- U
45. 2,4-Dinitrophenol	4.37	50.0	--- U
46. Ethyl Methanesulfonate	5.26	10.0	--- U
47. Methyl Methanesulfonate	4.92	10.0	--- U
48. 2-Nitrophenol	3.64	10.0	--- U

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Environment 1, Incorporated

Drinking Water ID: 37715
Wastewater ID: 10

P.O. BOX 7085, 114 OAKMONT DRIVE
GREENVILLE, N.C. 27835-7085

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CLIENT: LENOIR CO. LANDFILL (OLD)
COUNTY OF LENOIR
MR. TOM MILLER
P.O. BOX 756
KINSTON, NC 28502

REVIEWED BY:

CLIENT ID: 6009 A

ANALYST: CHS
DATE COLLECTED: 07/29/09
DATE EXTRACTED: 07/30/09
DATE ANALYZED: 08/17/09
DATE REPORTED: 09/04/09

SEMI-VOLATILE ORGANICS
EPA METHOD 8270C

PARAMETERS, ug/l	MDL	SWSL	Equipment Blank
49. 4-Nitrophenol	3.17	50.0	--- U
50. Pentachlorophenol	5.33	25.0	--- U
51. Phenol	1.86	10.0	--- U
52. 2,3,4,6-Tetrachlorophenol	3.12	10.0	--- U
53. 2,4,5-Trichlorophenol	4.17	10.0	--- U
54. 2,4,6-Trichlorophenol	3.84	10.0	--- U
55. Acetophenone	2.89	10.0	--- U
56. 2-Acetylaminofluorene	3.98	20.0	--- U
57. 4-Aminobiphenyl	4.12	20.0	--- U
58. Benzyl Alcohol	4.47	20.0	--- U
59. 4-Chloroaniline	3.36	20.0	--- U
60. Chlorobenzilate	5.12	10.0	--- U
61. Diallate	2.98	10.0	--- U
62. Dibenzofuran	4.28	10.0	--- U
63. 3,3-Dichlorobenzidine	4.22	20.0	--- U
64. Dimethoate	3.98	20.0	--- U
65. P-Dimethylaminoazobenzene	2.89	10.0	--- U
66. 7,12-Dimethylbenz[a]anthracene	5.26	10.0	--- U
67. 3,3-Dimethylbenzadine	3.21	10.0	--- U
68. 1,3-Dinitrobenzene	2.89	20.0	--- U
69. Diphenylamine	5.10	10.0	--- U
70. Disulfoton	4.28	10.0	--- U
71. Famphur	3.98	20.0	--- U
72. Hexachloropropene	4.31	10.0	--- U
73. Isosafrole	2.88	10.0	--- U
74. Kepone	2.78	20.0	--- U
75. Methapyrilene	3.54	100.0	--- U
76. 3-Methylchloroanthrene	4.21	10.0	--- U
77. 2-Methylnaphthalene	3.79	10.0	--- U
78. Methyl Parathion	4.32	10.0	--- U
79. m-Cresol	3.81	10.0	--- U
80. 1,4-Naphthoquinone	4.00	10.0	--- U
81. 1-Naphthylamine	5.61	10.0	--- U
82. 2-Naphthylamine	4.62	10.0	--- U
83. 2-Nitroaniline	3.61	50.0	--- U
84. 3-Nitroaniline	4.81	50.0	--- U
85. 4-Nitroaniline	4.22	20.0	--- U
86. 5-Nitro-O-Toluidine	4.01	10.0	--- U
87. N-Nitrosodi-n-butylamine	3.63	10.0	--- U
88. N-Nitrosodiethylamine	3.83	20.0	--- U
89. N-Nitrosomethylethylamine	3.83	10.0	--- U
90. N-Nitrosopiperidine	5.19	20.0	--- U
91. N-Nitrosopyrrolidine	2.89	10.0	--- U
92. Parathion	3.12	10.0	--- U
93. Pentachlorobenzene	3.92	10.0	--- U
94. Pentachloronitrobenzene	3.71	20.0	--- U
95. Phenacetin	4.41	20.0	--- U
96. 1,4 Benzenediamine	2.99	10.0	--- U

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Environment 1, Incorporated

Drinking Water ID: 37715
Wastewater ID: 10

P.O. BOX 7085, 114 OAKMONT DRIVE
GREENVILLE, N.C. 27835-7085

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CLIENT: LENOIR CO. LANDFILL (OLD)
COUNTY OF LENOIR
MR. TOM MILLER
P.O. BOX 756
KINSTON, NC 28502

REVIEWED BY: _____

CLIENT ID: 6009 A

ANALYST: CHS
DATE COLLECTED: 07/29/09
DATE EXTRACTED: 07/30/09
DATE ANALYZED: 08/17/09
DATE REPORTED: 09/04/09

SEMI-VOLATILE ORGANICS
EPA METHOD 8270C

PARAMETERS, ug/l	MDL	SWSL	Equipment Blank
97. Phorate	3.86	10.0	--- U
98. Pronamide	3.69	10.0	--- U
99. Safrole	4.12	10.0	--- U
100. 1,2,4,5-Tetrachlorobenzene	5.01	10.0	--- U
101. Thionazin	4.62	20.0	--- U
102. O-Toluidine	4.11	10.0	--- U
103. 1,3,5-Trinitrobenzene	3.98	10.0	--- U
104. 0,0,0-Triethyl Phosphorothioate	3.61	10.0	--- U
105. Hexachloroethane	1.49	10.0	--- U
106. Isodrin	3.11	20.0	--- U

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Environment 1, Incorporated

Drinking Water ID: 37715
Wastewater ID: 10

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GREENVILLE, N.C. 27835-7085

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COUNTY OF LENOIR
MR. TOM MILLER
P.O. BOX 756
KINSTON, NC 28502

CLIENT ID: 6009 A

ANALYST: MAO
DATE COLLECTED: 07/29/09
DATE ANALYZED: 08/04/09
DATE REPORTED: 09/04/09

REVIEWED BY: _____

LANDFILL APPENDIX II
EPA METHOD 8260B

PARAMETERS, ug/l	MDL	SWSL	Trip Blank	Equipment Blank
1. Chloromethane	0.18	1.0	0.20 J	--- U
2. Vinyl Chloride	0.34	1.0	--- U	--- U
3. Bromomethane	0.26	10.0	--- U	--- U
4. Chloroethane	0.29	10.0	--- U	--- U
5. Trichlorofluoromethane	0.13	1.0	0.30 J	--- U
6. 1,1-Dichloroethene	0.14	5.0	--- U	--- U
7. Acetone	1.21	100.0	--- U	1.70 J
8. Iodomethane	0.12	10.0	--- U	--- U
9. Carbon Disulfide	0.14	100.0	--- U	--- U
10. Methylene Chloride	0.14	1.0	--- U	--- U
11. trans-1,2-Dichloroethene	0.13	5.0	--- U	--- U
12. 1,1-Dichloroethane	0.16	5.0	--- U	--- U
13. Vinyl Acetate	0.20	50.0	--- U	--- U
14. Cis-1,2-Dichloroethene	0.14	5.0	--- U	--- U
15. 2-Butanone	0.85	100.0	--- U	--- U
16. Bromochloromethane	0.11	3.0	--- U	--- U
17. Chloroform	0.13	5.0	--- U	--- U
18. 1,1,1-Trichloroethane	0.11	1.0	--- U	--- U
19. Carbon Tetrachloride	0.13	1.0	--- U	--- U
20. Benzene	0.16	1.0	--- U	--- U
21. 1,2-Dichloroethane	0.12	1.0	--- U	--- U
22. Trichloroethene	0.13	1.0	--- U	--- U
23. 1,2-Dichloropropane	0.17	1.0	--- U	--- U
24. Bromodichloromethane	0.13	1.0	--- U	--- U
25. Cis-1,3-Dichloropropene	0.17	1.0	--- U	--- U
26. 4-Methyl-2-Pentanone	0.68	100.0	--- U	--- U
27. Toluene	0.13	1.0	--- U	--- U
28. trans-1,3-Dichloropropene	0.14	1.0	--- U	--- U
29. 1,1,2-Trichloroethane	0.20	1.0	--- U	--- U
30. Tetrachloroethene	0.16	1.0	--- U	--- U
31. 2-Hexanone	1.00	50.0	--- U	--- U
32. Dibromochloromethane	0.14	3.0	--- U	--- U
33. 1,2-Dibromoethane	0.13	1.0	--- U	--- U
34. Chlorobenzene	0.13	3.0	--- U	--- U
35. 1,1,1,2-Tetrachloroethane	0.14	5.0	--- U	--- U
36. Ethylbenzene	0.16	1.0	--- U	--- U
37. Xylenes	0.48	5.0	--- U	--- U
38. Dibromomethane	0.17	10.0	--- U	--- U
39. Styrene	0.16	1.0	--- U	--- U
40. Bromoform	0.11	3.0	--- U	--- U
41. 1,1,2,2-Tetrachloroethane	0.16	3.0	--- U	--- U
42. 1,2,3-Trichloropropane	0.06	1.0	--- U	--- U
43. 1,4-Dichlorobenzene	0.21	1.0	--- U	--- U
44. 1,2-Dichlorobenzene	0.13	5.0	--- U	--- U
45. 1,2-Dibromo-3-Chloropropane	0.26	13.0	--- U	--- U
46. Acrylonitrile	1.49	200.0	--- U	--- U
47. trans-1,4-Dichloro-2-Butene	0.14	100.0	--- U	--- U
48. Acrolein	5.46	50.0	--- U	--- U

J = Between MDL and SWSL, U = Below ALL Quanititation Limits.

Environment 1, Incorporated

Drinking Water ID: 37715
Wastewater ID: 10

P.O. BOX 7085, 114 OAKMONT DRIVE
GREENVILLE, N.C. 27835-7085

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COUNTY OF LENOIR
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CLIENT ID: 6009 A

ANALYST: MAO
DATE COLLECTED: 07/29/09
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REVIEWED BY: _____

LANDFILL APPENDIX II
EPA METHOD 8260B

PARAMETERS, ug/l	MDL	SWSL	Trip Blank	Equipment Blank
49. Allyl Chloride	0.17	10.0	--- U	--- U
50. Chloroprene	0.16	20.0	--- U	--- U
51. 1,3-Dichlorobenzene	0.13	5.0	--- U	--- U
52. Dichlorodifluoromethane	0.16	5.0	--- U	--- U
53. 1,3-Dichloropropane	0.12	1.0	--- U	--- U
54. 2,2-Dichloropropane	0.18	15.0	--- U	--- U
55. 1,1-Dichloropropene	0.13	5.0	--- U	--- U
56. Ethyl Methacrylate	0.14	10.0	--- U	--- U
57. Hexachlorobutadiene	0.22	10.0	--- U	--- U
58. Isobutyl Alcohol	5.23	100.0	--- U	--- U
59. Methacrylonitrile	1.64	100.0	--- U	--- U
60. Methyl Methacrylate	0.10	30.0	--- U	--- U
61. Naphthalene	0.13	10.0	--- U	--- U
62. Propionitrile	1.60	150.0	--- U	--- U
63. 1,2,4-Trichlorobenzene	0.11	10.0	--- U	--- U
64. Acetonitrile	5.96	50.0	--- U	--- U

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LENOIR CO. LANDFILL (OLD)
COUNTY OF LENOIR
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KINSTON ,NC 28502

DATE COLLECTED: 07/28/09
DATE REPORTED : 09/04/09

REVIEWED BY:

PARAMETERS	MDL	SWSL	SW-1	SW-2	Analysis Date	Analyst	Method Code
PH (field measurement), Units			5.7	7.8	07/28/09	RJH	SM4500HB
Antimony, ug/l	0.06	6.0	--- U	0.5 J	08/04/09	CMF	EPA200.8
Arsenic, ug/l	0.17	10.0	2.5 J	3.0 J	08/04/09	CMF	EPA200.8
Barium, ug/l	0.04	100.0	51.8 J	43.2 J	08/04/09	CMF	EPA200.8
Beryllium, ug/l	0.06	1.0	--- U	0.1 J	08/04/09	CMF	EPA200.8
Cadmium, ug/l	0.04	1.0	0.1 J	0.1 J	08/04/09	CMF	EPA200.8
Cobalt, ug/l	0.02	10.0	0.7 J	0.3 J	08/04/09	CMF	EPA200.8
Copper, ug/l	0.04	10.0	0.8 J	1.7 J	08/04/09	CMF	EPA200.8
Total Chromium, ug/l	0.10	10.0	0.4 J	1.8 J	08/04/09	CMF	EPA200.8
Lead, ug/l	0.04	10.0	0.6 J	1.7 J	08/04/09	CMF	EPA200.8
Nickel, ug/l	0.04	50.0	2.5 J	2.0 J	08/04/09	CMF	EPA200.8
Selenium, ug/l	0.12	10.0	--- U	0.7 J	08/04/09	CMF	EPA200.8
Silver, ug/l	0.04	10.0	--- U	--- U	08/04/09	CMF	EPA200.8
Thallium, ug/l	0.03	5.0	0.1 J	0.1 J	08/04/09	CMF	EPA200.8
Vanadium, ug/l	0.28	25.0	--- U	4.0 J	08/04/09	CMF	EPA200.8
Zinc, ug/l	0.14	10.0	4.4 J	11	08/04/09	CMF	EPA200.8
Conductivity (at 25c), uMhos	1.0	1.0	98	332	07/28/09	RJH	SM2510B
Temperature, °C			22	25	07/28/09	RJH	SM2550B

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COUNTY OF LENOIR
MR. TOM MILLER
P.O. BOX 756
KINSTON, NC 28502

CLIENT ID: 6009

ANALYST: MAO
DATE COLLECTED: 07/28/09
DATE ANALYZED: 08/04/09
DATE REPORTED: 09/04/09

REVIEWED BY:

VOLATILE ORGANICS
EPA METHOD 8260B

PARAMETERS, ug/l	MDL	SWSL	SW-1	SW-2
1. Chloromethane	0.18	1.0	--- U	--- U
2. Vinyl Chloride	0.34	1.0	--- U	--- U
3. Bromomethane	0.26	10.0	--- U	--- U
4. Chloroethane	0.29	10.0	--- U	--- U
5. Trichlorofluoromethane	0.13	1.0	--- U	--- U
6. 1,1-Dichloroethene	0.14	5.0	--- U	--- U
7. Acetone	1.21	100.0	2.20 J	3.20 J
8. Iodomethane	0.12	10.0	--- U	--- U
9. Carbon Disulfide	0.14	100.0	--- U	--- U
10. Methylene Chloride	0.14	1.0	--- U	--- U
11. trans-1,2-Dichloroethene	0.13	5.0	--- U	--- U
12. 1,1-Dichloroethane	0.16	5.0	--- U	--- U
13. Vinyl Acetate	0.20	50.0	--- U	--- U
14. Cis-1,2-Dichloroethene	0.14	5.0	--- U	--- U
15. 2-Butanone	0.85	100.0	1.20 J	2.30 J
16. Bromochloromethane	0.11	3.0	--- U	--- U
17. Chloroform	0.13	5.0	--- U	--- U
18. 1,1,1-Trichloroethane	0.11	1.0	--- U	--- U
19. Carbon Tetrachloride	0.13	1.0	--- U	--- U
20. Benzene	0.16	1.0	--- U	--- U
21. 1,2-Dichloroethane	0.12	1.0	--- U	--- U
22. Trichloroethene	0.13	1.0	--- U	--- U
23. 1,2-Dichloropropane	0.17	1.0	--- U	--- U
24. Bromodichloromethane	0.13	1.0	--- U	--- U
25. Cis-1,3-Dichloropropene	0.17	1.0	--- U	--- U
26. 4-Methyl-2-Pentanone	0.68	100.0	--- U	--- U
27. Toluene	0.13	1.0	--- U	--- U
28. trans-1,3-Dichloropropene	0.14	1.0	--- U	--- U
29. 1,1,2-Trichloroethane	0.20	1.0	--- U	--- U
30. Tetrachloroethene	0.16	1.0	--- U	--- U
31. 2-Hexanone	1.00	50.0	--- U	--- U
32. Dibromochloromethane	0.14	3.0	--- U	--- U
33. 1,2-Dibromoethane	0.13	1.0	--- U	--- U
34. Chlorobenzene	0.13	3.0	--- U	--- U
35. 1,1,1,2-Tetrachloroethane	0.14	5.0	--- U	--- U
36. Ethylbenzene	0.16	1.0	--- U	--- U
37. Xylenes	0.48	5.0	--- U	--- U
38. Dibromomethane	0.17	10.0	--- U	--- U
39. Styrene	0.16	1.0	--- U	--- U
40. Bromoform	0.11	3.0	--- U	--- U
41. 1,1,2,2-Tetrachloroethane	0.16	3.0	--- U	--- U
42. 1,2,3-Trichloropropane	0.06	1.0	--- U	--- U
43. 1,4-Dichlorobenzene	0.21	1.0	--- U	--- U
44. 1,2-Dichlorobenzene	0.13	5.0	--- U	--- U
45. 1,2-Dibromo-3-Chloropropane	0.26	13.0	--- U	--- U
46. Acrylonitrile	1.49	200.0	--- U	--- U
47. trans-1,4-Dichloro-2-Butene	0.14	100.0	--- U	--- U

J = Between MDL and SWSL, U = Below ALL Quanititation Limits.

Client Name: Environment 1, Inc.
Contact: Steve Jones
Address: PO Box 7085
114 Oakmont Drive
Greenville, NC 27835

Page: Page 1 of 8
Lab Proj #: P0908004
Report Date: 08/25/09
Client Proj Name: Lenoir County
Client Proj #: Lenoir County

Laboratory Results

Total pages in data package: 9

Lab Sample #	Client Sample ID
P0908004-01	WEL 1
P0908004-02	WEL 3
P0908004-03	WEL4
P0908004-04	WEL6
P0908004-05	WEL9
P0908004-06	WL11
P0908004-07	WL 12

Microseeps test results meet all the requirements of the NELAC standards or provide reasons and/or justification if they do not.

Approved By: Heather Hauser ***Date:*** 8.25.09

Project Manager: Heather Hauser

The analytical results reported here are reliable and usable to the precision expressed in this report. As required by some regulating authorities, a full discussion of the uncertainty in our analytical results can be obtained at our web site or through customer service. Unless otherwise specified, all results are reported on a wet weight basis.

As a valued client we would appreciate your comments on our service.
Please call customer service at (412)826-5245 or email customerservice@microseeps.com.

Case Narrative:

Client Name: Environment 1, Inc.
Contact: Steve Jones
Address: PO Box 7085
114 Oakmont Drive
Greenville, NC 27835

Lab Proj #: P0908004
Report Date: 08/25/09
Client Proj Name: Lenoir County
Client Proj #: Lenoir County

Sample Description	Matrix	Lab Sample #	Sampled Date/Time	Received
WEL 1	Vapor	P0908004-01	29 Jul. 09	03 Aug. 09 10:14

Analyte(s)	Result	PQL	Units	Method #	Analysis Date	By
RiskAnalysis						
N Ethane	<0.010	0.010	ug/L	AM20GAX	8/7/09	sl
N Ethene	<0.010	0.010	ug/L	AM20GAX	8/7/09	sl
N Hydrogen	1.400	0.600	nM	AM20GAX	8/7/09	sl
N Methane	0.970	0.015	ug/L	AM20GAX	8/7/09	sl
SemiVolatiles						
N Acetic Acid	<0.070	0.070	mg/L	AM23G	8/19/09	jb
N Butyric Acid	<0.070	0.070	mg/L	AM23G	8/19/09	jb
N Hexanoic Acid	<0.100	0.100	mg/L	AM23G	8/19/09	jb
N i-Hexanoic Acid	<0.100	0.100	mg/L	AM23G	8/19/09	jb
N i-Pentanoic Acid	<0.070	0.070	mg/L	AM23G	8/19/09	jb
N Lactic Acid and HIBA	<0.100	0.100	mg/L	AM23G	8/19/09	jb
N Pentanoic Acid	<0.070	0.070	mg/L	AM23G	8/19/09	jb
N Propionic Acid	<0.070	0.070	mg/L	AM23G	8/19/09	jb
N Pyruvic Acid	<0.070	0.070	mg/L	AM23G	8/19/09	jb

N - NELAC certified analysis

Client Name: Environment 1, Inc.
Contact: Steve Jones
Address: PO Box 7085
114 Oakmont Drive
Greenville, NC 27835

Page: Page 3 of 8
Lab Proj #: P0908004
Report Date: 08/25/09
Client Proj Name: Lenoir County
Client Proj #: Lenoir County

Sample Description	Matrix	Lab Sample #	Sampled Date/Time	Received
WEL 3	Vapor	P0908004-02	29 Jul. 09	03 Aug. 09 10:14

Analyte(s)	Result	PQL	Units	Method #	Analysis Date	By
RiskAnalysis						
N Ethane	0.062	0.010	ug/L	AM20GAX	8/7/09	sl
N Ethene	0.220	0.010	ug/L	AM20GAX	8/7/09	sl
N Hydrogen	1.300	0.600	nM	AM20GAX	8/7/09	sl
N Methane	3200.000	0.015	ug/L	AM20GAX	8/7/09	sl
SemiVolatiles						
N Acetic Acid	<0.070	0.070	mg/L	AM23G	8/20/09	jb
N Butyric Acid	<0.070	0.070	mg/L	AM23G	8/20/09	jb
N Hexanoic Acid	<0.100	0.100	mg/L	AM23G	8/20/09	jb
N i-Hexanoic Acid	<0.100	0.100	mg/L	AM23G	8/20/09	jb
N i-Pentanoic Acid	<0.070	0.070	mg/L	AM23G	8/20/09	jb
N Lactic Acid and HIBA	1.400	0.100	mg/L	AM23G	8/20/09	jb
N Pentanoic Acid	<0.070	0.070	mg/L	AM23G	8/20/09	jb
N Propionic Acid	<0.070	0.070	mg/L	AM23G	8/20/09	jb
N Pyruvic Acid	<0.070	0.070	mg/L	AM23G	8/20/09	jb

N - NELAC certified analysis

Client Name: Environment 1, Inc.
Contact: Steve Jones
Address: PO Box 7085
114 Oakmont Drive
Greenville, NC 27835

Page: Page 4 of 8
Lab Proj #: P0908004
Report Date: 08/25/09
Client Proj Name: Lenoir County
Client Proj #: Lenoir County

Sample Description	Matrix	Lab Sample #	Sampled Date/Time	Received
WEL4	Vapor	P0908004-03	29 Jul. 09	03 Aug. 09 10:14

Analyte(s)	Result	PQL	Units	Method #	Analysis Date	By
RiskAnalysis						
N Ethane	0.099	0.010	ug/L	AM20GAX	8/7/09	sl
N Ethene	0.032	0.010	ug/L	AM20GAX	8/7/09	sl
N Hydrogen	1.200	0.600	nM	AM20GAX	8/7/09	sl
N Methane	1100.000	0.015	ug/L	AM20GAX	8/7/09	sl
SemiVolatiles						
N Acetic Acid	<0.070	0.070	mg/L	AM23G	8/20/09	jb
N Butyric Acid	<0.070	0.070	mg/L	AM23G	8/20/09	jb
N Hexanoic Acid	<0.100	0.100	mg/L	AM23G	8/20/09	jb
N i-Hexanoic Acid	<0.100	0.100	mg/L	AM23G	8/20/09	jb
N i-Pentanoic Acid	<0.070	0.070	mg/L	AM23G	8/20/09	jb
N Lactic Acid and HIBA	<0.100	0.100	mg/L	AM23G	8/20/09	jb
N Pentanoic Acid	<0.070	0.070	mg/L	AM23G	8/20/09	jb
N Propionic Acid	<0.070	0.070	mg/L	AM23G	8/20/09	jb
N Pyruvic Acid	<0.070	0.070	mg/L	AM23G	8/20/09	jb

N - NELAC certified analysis

Client Name: Environment 1, Inc.
Contact: Steve Jones
Address: PO Box 7085
114 Oakmont Drive
Greenville, NC 27835

Page: Page 5 of 8
Lab Proj #: P0908004
Report Date: 08/25/09
Client Proj Name: Lenoir County
Client Proj #: Lenoir County

Sample Description	Matrix	Lab Sample #	Sampled Date/Time	Received
WEL6	Vapor	P0908004-04	29 Jul. 09	03 Aug. 09 10:14

Analyte(s)	Result	PQL	Units	Method #	Analysis Date	By
RiskAnalysis						
N Ethane	<0.010	0.010	ug/L	AM20GAX	8/7/09	sl
N Ethene	<0.010	0.010	ug/L	AM20GAX	8/7/09	sl
N Hydrogen	1.300	0.600	nM	AM20GAX	8/7/09	sl
N Methane	410.000	0.015	ug/L	AM20GAX	8/7/09	sl
SemiVolatiles						
N Acetic Acid	<0.070	0.070	mg/L	AM23G	8/20/09	jb
N Butyric Acid	<0.070	0.070	mg/L	AM23G	8/20/09	jb
N Hexanoic Acid	<0.100	0.100	mg/L	AM23G	8/20/09	jb
N i-Hexanoic Acid	<0.100	0.100	mg/L	AM23G	8/20/09	jb
N i-Pentanoic Acid	<0.070	0.070	mg/L	AM23G	8/20/09	jb
N Lactic Acid and HIBA	<0.100	0.100	mg/L	AM23G	8/20/09	jb
N Pentanoic Acid	<0.070	0.070	mg/L	AM23G	8/20/09	jb
N Propionic Acid	<0.070	0.070	mg/L	AM23G	8/20/09	jb
N Pyruvic Acid	<0.070	0.070	mg/L	AM23G	8/20/09	jb

N - NELAC certified analysis

Client Name: Environment 1, Inc.
Contact: Steve Jones
Address: PO Box 7085
114 Oakmont Drive
Greenville, NC 27835

Page: Page 6 of 8
Lab Proj #: P0908004
Report Date: 08/25/09
Client Proj Name: Lenoir County
Client Proj #: Lenoir County

Sample Description	Matrix	Lab Sample #	Sampled Date/Time	Received
WEL9	Vapor	P0908004-05	29 Jul. 09	03 Aug. 09 10:14

Analyte(s)	Result	PQL	Units	Method #	Analysis Date	By
RiskAnalysis						
N Ethane	0.025	0.010	ug/L	AM20GAX	8/7/09	sl
N Ethene	<0.010	0.010	ug/L	AM20GAX	8/7/09	sl
N Hydrogen	1.100	0.600	nM	AM20GAX	8/7/09	sl
N Methane	32.000	0.015	ug/L	AM20GAX	8/7/09	sl
SemiVolatiles						
N Acetic Acid	<0.070	0.070	mg/L	AM23G	8/20/09	jb
N Butyric Acid	<0.070	0.070	mg/L	AM23G	8/20/09	jb
N Hexanoic Acid	<0.100	0.100	mg/L	AM23G	8/20/09	jb
N i-Hexanoic Acid	<0.100	0.100	mg/L	AM23G	8/20/09	jb
N i-Pentanoic Acid	<0.070	0.070	mg/L	AM23G	8/20/09	jb
N Lactic Acid and HIBA	0.110	0.100	mg/L	AM23G	8/20/09	jb
N Pentanoic Acid	<0.070	0.070	mg/L	AM23G	8/20/09	jb
N Propionic Acid	<0.070	0.070	mg/L	AM23G	8/20/09	jb
N Pyruvic Acid	<0.070	0.070	mg/L	AM23G	8/20/09	jb

N - NELAC certified analysis

Client Name: Environment 1, Inc.
Contact: Steve Jones
Address: PO Box 7085
114 Oakmont Drive
Greenville, NC 27835

Page: Page 7 of 8
Lab Proj #: P0908004
Report Date: 08/25/09
Client Proj Name: Lenoir County
Client Proj #: Lenoir County

Sample Description	Matrix	Lab Sample #	Sampled Date/Time	Received
WL11	Vapor	P0908004-06	29 Jul. 09	03 Aug. 09 10:14

Analyte(s)	Result	PQL	Units	Method #	Analysis Date	By
RiskAnalysis						
N Ethane	<0.010	0.010	ug/L	AM20GAX	8/7/09	sl
N Ethene	<0.010	0.010	ug/L	AM20GAX	8/7/09	sl
N Hydrogen	0.900	0.600	nM	AM20GAX	8/7/09	sl
N Methane	160.000	0.015	ug/L	AM20GAX	8/7/09	sl
SemiVolatiles						
N Acetic Acid	<0.070	0.070	mg/L	AM23G	8/20/09	jb
N Butyric Acid	<0.070	0.070	mg/L	AM23G	8/20/09	jb
N Hexanoic Acid	<0.100	0.100	mg/L	AM23G	8/20/09	jb
N i-Hexanoic Acid	<0.100	0.100	mg/L	AM23G	8/20/09	jb
N i-Pentanoic Acid	<0.070	0.070	mg/L	AM23G	8/20/09	jb
N Lactic Acid and HIBA	<0.100	0.100	mg/L	AM23G	8/20/09	jb
N Pentanoic Acid	<0.070	0.070	mg/L	AM23G	8/20/09	jb
N Propionic Acid	<0.070	0.070	mg/L	AM23G	8/20/09	jb
N Pyruvic Acid	<0.070	0.070	mg/L	AM23G	8/20/09	jb

N - NELAC certified analysis

Client Name: Environment 1, Inc.
Contact: Steve Jones
Address: PO Box 7085
114 Oakmont Drive
Greenville, NC 27835

Page: Page 8 of 8
Lab Proj #: P0908004
Report Date: 08/25/09
Client Proj Name: Lenoir County
Client Proj #: Lenoir County

Sample Description	Matrix	Lab Sample #	Sampled Date/Time	Received
WL 12	Vapor	P0908004-07	29 Jul. 09	03 Aug. 09 10:14

Analyte(s)	Result	PQL	Units	Method #	Analysis Date	By
RiskAnalysis						
N Ethane	<0.010	0.010	ug/L	AM20GAX	8/7/09	sl
N Ethene	0.077	0.010	ug/L	AM20GAX	8/7/09	sl
N Hydrogen	0.950	0.600	nM	AM20GAX	8/7/09	sl
N Methane	1800.000	0.015	ug/L	AM20GAX	8/7/09	sl
SemiVolatiles						
N Acetic Acid	<0.070	0.070	mg/L	AM23G	8/20/09	jb
N Butyric Acid	<0.070	0.070	mg/L	AM23G	8/20/09	jb
N Hexanoic Acid	<0.100	0.100	mg/L	AM23G	8/20/09	jb
N i-Hexanoic Acid	<0.100	0.100	mg/L	AM23G	8/20/09	jb
N i-Pentanoic Acid	<0.070	0.070	mg/L	AM23G	8/20/09	jb
N Lactic Acid and HIBA	<0.100	0.100	mg/L	AM23G	8/20/09	jb
N Pentanoic Acid	<0.070	0.070	mg/L	AM23G	8/20/09	jb
N Propionic Acid	<0.070	0.070	mg/L	AM23G	8/20/09	jb
N Pyruvic Acid	<0.070	0.070	mg/L	AM23G	8/20/09	jb

N - NELAC certified analysis

Microseeps Lab. Proj. # P0908004

CHAIN - OF - CUSTODY RECORD

Microseeps COC cont. # 886

Phone: (412) 826-5245 Microseeps, Inc. - 220 William Pitt Way - Pittsburgh, PA 15238 Fax No. : (412) 826-3433

Company : ENVIRONMENT 1, INC.

Co. Address : 114 OAKMONT DR, GREENVILLE NC 27858

Phone # : 252-756-6208 Fax # : 252-756-0633

Project Manager : STEVE JONES

Project Number : LENOIR COUNTY

Sampler's signature :

Cooler Temp.

Parameters Requested

Results to : STEVE JONES, ENVIRONMENT 1, 114 OAKMONT DR, GREENVILLE, NC 27858

Invoice to : SAME

Sample ID	Sample Description	Sample Type Water	Vapor	Solid	Date	Time	# of Cont.	HYDROGEN	LL VFA	METHANE/ETHANE/ETHENE	Remarks :
WEL 1	WELL #1	✓	✓		7/29/09		4	✓	✓	✓	*PLEASE USE METHOD AM20GAX ON ALL METHANE ETHANE/ETHENE SAMPLES
WEL 3	WELL #3	✓	✓				4	✓	✓	✓	
WEL 4	WELL #4	✓	✓				4	✓	✓	✓	
WEL 6	WELL #6	✓	✓				4	✓	✓	✓	
WEL 9	WEL #9	✓	✓				4	✓	✓	✓	
WL 11	WEL #11	✓	✓				4	✓	✓	✓	
WL 12	WEL #12	✓	✓				4	✓	✓	✓	

Relinquished by :	Company :	Date :	Time :	Received by :	Company :	Date :	Time :
[signature]	ENVIRONMENT 1	7/30/09	9AM	[signature]		8/3	1100
Relinquished by :	Company :	Date :	Time :	Received by :	Company :	Date :	Time :
Relinquished by :	Company :	Date :	Time :	Received by :	Company :	Date :	Time :

WHITE COPY : Accompany Samples YELLOW COPY : Laboratory File PINK COPY : Submitter

Environment 1, Inc.
P.O. Box 7085, 114 Oakmont Dr.
Greenville, NC 27858

Phone (252) 756-6208 • Fax (252) 756-0633

CHAIN OF CUSTODY RECORD

CLIENT: 6009 **Week: 29**

LENOIR CO. LANDFILL (OLD)
COUNTY OF LENOIR
MR. TOM MILLER
P.O. BOX 756
KINSTON NC 28502

(252) 566-5408

DISINFECTION
- ☐ CHLORINE
- ☐ UV
- ☐ NONE
- ☐ _____

CHLORINE NEUTRALIZED AT COLLECTION																		
pH CHECK (LAB)							12					12	12					
CONTAINER TYPE, P/G	P	P	P	P	P	P	P	P	P	P		G	G	G	G	G		
CHEMICAL PRESERVATION	A	A	A	D	A	A	A	F D	A	A		E	E	E	A	A		
PARAMETERS	Field pH	Alkalinity	Chloride	Cyanide	TDS	Sulfate	Metals	Sulfide	Conductivity	Temperature	Field Parameter	EPA 8260B	8260 Dup. 1	8260 Dup. 2	EPA 8270C	8270C Dup. 1		

A - NONE D - NAOH
B - HNO_3 E - HCL
C - H_2SO_4 F - ZINC ACETATE
G - NA THIOSULFATE

SAMPLE LOCATION	COLLECTION DATE	COLLECTION TIME	TOTAL CHLORINE, mg/l AT COLLECTION	TEMPERATURE, °C AT COLLECTION	# OF CONTAINERS	Field pH	Alkalinity	Chloride	Cyanide	TDS	Sulfate	Metals	Sulfide	Conductivity	Temperature	Field Parameter	EPA 8260B	8260 Dup. 1	8260 Dup. 2	EPA 8270C	8270C Dup. 1
Well #1					9																
Well #3					14																
Well #4					8																
Well #6					8																
Well #9					8																
Well #11					8																
Well #12					8																
SW-1	07 28 09	0855		22	4	G						G		G	G		G	G			
SW-2	07 28 09	1000		25	4	G						G		G	G		G	G			

CLASSIFICATION:
- ☐ WASTEWATER (NPDES)
- ☐ DRINKING WATER
- ☐ DWQ/GW
- ☒ SOLID WASTE SECTION

CHAIN OF CUSTODY MAINTAINED DURING SHIPMENT/DELIVERY
Y N

SAMPLES COLLECTED BY: (Please Print)
H Lane / FGL

SAMPLES RECEIVED IN LAB AT 0.2 °C

RELINQUISHED BY (SIG.) (SAMPLER)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME
Bob H Lane	07 28 09 1:28	B [illegible]	7/28 1:28
RELINQUISHED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME
RELINQUISHED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME

COMMENTS:
WILL BE DONE July 29 09

PLEASE READ Instructions for completing this form on the reverse side.

Sampler must place a "C" for composite sample or a "G" for Grab sample in the blocks above for each parameter requested.

FORM #5

№ 186690

Environment 1, Inc.
P.O. Box 7085, 114 Oakmont Dr.
Greenville, NC 27858

Phone (252) 756-6208 • Fax (252) 756-0633

CHAIN OF CUSTODY RECORD

CLIENT: 6009 X **Week: 28**

LENOIR CO. LANDFILL (OLD)
COUNTY OF LENOIR
MR. TOM MILLER
P.O. BOX 756
KINSTON NC 28502

(252) 566-5408

DISINFECTION: ☐ CHLORINE ☐ UV ☐ NONE ☐ _____

SAMPLE LOCATION	COLLECTION DATE	COLLECTION TIME	TOTAL CHLORINE, mg/l AT COLLECTION	TEMPERATURE, °C AT COLLECTION	# OF CONTAINERS	BOD	COD	Nitrate	TOC	Turbidity	DO	CO2	ORP
CHLORINE NEUTRALIZED AT COLLECTION													
pH CHECK (LAB)							<2		<2				
CONTAINER TYPE, P/G						P	P	P	P	P	P	P	P
CHEMICAL PRESERVATION						A	C	A	C	A	A	A	A
Well #1	07 29 09	1400		18.34	4	G	G	G	G	G	G	G	G
Well #3	07 29 09	1140		21.21	4	G	G	G	G	G	G	G	G
Well #4	07 29 09	1215		22.04	4	G	G	G	G	G	G	G	G
Well #6	07 29 09	1315		21.12	4	G	G	G	G	G	G	G	G
Well #9	07 29 09	1035		20.63	5	G	G	G	G	G	G	G	G
Well #11	07 29 09	0850		18.78	4	G	G	G	G	G	G	G	G
Well #12	07 29 09	0940		20.76	4	G	G	G	G	G	G	G	G

PARAMETERS

A - NONE D - NAOH
B - HNO_3 E - HCL
C - H_2SO_4 F - ZINC ACETATE
G - NA THIOSULFATE

CLASSIFICATION:
☐ WASTEWATER (NPDES)
☐ DRINKING WATER
☐ DWQ/GW
☒ SOLID WASTE SECTION

CHAIN OF CUSTODY MAINTAINED DURING SHIPMENT/DELIVERY: (Y) N

SAMPLES COLLECTED BY: (Please Print) [illegible]

SAMPLES RECEIVED IN LAB AT 0.2 °C

RELINQUISHED BY (SIG.) (SAMPLER)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME
[illegible]	07 29 09 3:44	[illegible]	7/29 3:46
RELINQUISHED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME
RELINQUISHED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME

COMMENTS: FUEL ODOR IN THE AIR AT WELL 6

PLEASE READ Instructions for completing this form on the reverse side.

Sampler must place a "C" for composite sample or a "G" for Grab sample in the blocks above for each parameter requested.

FORM #5

№ 190112

Environment 1, Inc.
P.O. Box 7085, 114 Oakmont Dr.
Greenville, NC 27858

Phone (252) 756-6208 • Fax (252) 756-0633

CHAIN OF CUSTODY RECORD

CLIENT: 6009 **Week: 29**

LENOIR CO. LANDFILL (OLD)
COUNTY OF LENOIR
MR. TOM MILLER
P.O. BOX 756
KINSTON NC 28502

(252) 566-5408

DISINFECTION
- [ ] CHLORINE
- [ ] UV
- [ ] NONE
- [ ] _____

SAMPLE LOCATION	COLLECTION DATE	COLLECTION TIME	TOTAL CHLORINE, mg/l AT COLLECTION	TEMPERATURE, °C AT COLLECTION	# OF CONTAINERS	Field pH	Alkalinity	Chloride	Cyanide	TDS	Sulfate	Metals	Sulfide	Conductivity	Temperature	Field Parameter	EPA 8260B	8260 Dup. 1	8260 Dup. 2	EPA 8270C	8270C Dup. 1
CHLORINE NEUTRALIZED AT COLLECTION																					
pH CHECK (LAB)									R2			L2	X9				L2	L2	L2		
CONTAINER TYPE, P/G						P	P	P	P	P	P	P	P	P	P		G	G	G	G	G
CHEMICAL PRESERVATION						A	A	A	D	A	A	A	F D	A	A		E	E	E	A	A
Well #1	07 29 09	1400		15.23	9	G	G	G		G	G	G		G	G	G	G	G	G		
Well #3	07 29 09	1140		21.21	14	G	G	G	G	G	G	G	G	G	G	G				G	G
Well #4	07 29 09	1215		22.04	8	G	G	G		G	G	G		G	G	G	G	G			
Well #6	07 29 09	~~1112~~ 1315	CH	21.12	8	G	G	G		G	G	G		G	G	G	G	G			
Well #9	07 29 09	1035		20.63	8	G	G	G		G	G	G		G	G	G	G	G			
Well #11	07 29 09	0850		18.78	8	G	G	G		G	G	G		G	G	G	G	G			
Well #12	07 29 09	0940		20.74	8	G	G	G		G	G	G		G	G	G	G	G			
~~SW-1~~					4																
~~SW-2~~					4																

PARAMETERS

A - NONE
B - HNO_3
C - H_2SO_4
D - NAOH
E - HCL
F - ZINC ACETATE
G - NA THIOSULFATE

CLASSIFICATION:
- [ ] WASTEWATER (NPDES)
- [ ] DRINKING WATER
- [ ] DWQ/GW
- [x] SOLID WASTE SECTION

CHAIN OF CUSTODY MAINTAINED DURING SHIPMENT/DELIVERY: (Y) N

SAMPLES COLLECTED BY: (Please Print) Hope Fox

SAMPLES RECEIVED IN LAB AT 0.2 °C

RELINQUISHED BY (SIG.) (SAMPLER)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME
Hope	07 29 09 3:46		7/29 3:46
RELINQUISHED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME
RELINQUISHED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME

COMMENTS:
WILL BE DONE JULY ~~27~~ 29 09 RJH 2-8

PLEASE READ Instructions for completing this form on the reverse side.

Sampler must place a "C" for composite sample or a "G" for Grab sample in the blocks above for each parameter requested.

FORM #5

№ 186690

Environment 1, Inc.
P.O. Box 7085, 114 Oakmont Dr.
Greenville, NC 27858

Phone (252) 756-6208 • Fax (252) 756-0633

CHAIN OF CUSTODY RECORD

CLIENT: 6009 **Week: 29**

LENOIR CO. LANDFILL (OLD)
COUNTY OF LENOIR
MR. TOM MILLER
P.O. BOX 756
KINSTON NC 28502

(252) 566-5408

DISINFECTION
- [ ] CHLORINE
- [ ] UV
- [ ] NONE
- [ ] _____

CHLORINE NEUTRALIZED AT COLLECTION

pH CHECK (LAB): L2 L2

CONTAINER TYPE, P/G: G G G G

CHEMICAL PRESERVATION: A E E A

PARAMETERS: A - NONE; B - HNO_3; C - H_2SO_4; D - NAOH; E - HCL; F - ZINC ACETATE; G - NA THIOSULFATE

SAMPLE LOCATION	COLLECTION DATE	COLLECTION TIME	TOTAL CHLORINE, mg/l AT COLLECTION	TEMPERATURE, °C AT COLLECTION	# OF CONTAINERS	EPA 8081A	8260B App. II	8260 App. II 1	8151A Landfill
Well #1					9				
Well #3	07 29 09	1140		21,21	14	G	G	G	G
Well #4					8				
Well #6					8				
Well #9					8				
Well #11					8				
Well #12					8				
~~SW-1~~					4				
~~SW-2~~					4				

CLASSIFICATION:
- [ ] WASTEWATER (NPDES)
- [ ] DRINKING WATER
- [ ] DWQ/GW
- [x] SOLID WASTE SECTION

CHAIN OF CUSTODY MAINTAINED DURING SHIPMENT/DELIVERY: (Y) N

SAMPLES COLLECTED BY: (Please Print) [illegible] Fof

SAMPLES RECEIVED IN LAB AT 0.2 °C

RELINQUISHED BY (SIG.) (SAMPLER)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME
[illegible]	07 29 09 3:46	[illegible]	7/29 3:46
RELINQUISHED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME
RELINQUISHED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME

COMMENTS: WILL BE DONE JULY ~~27~~ 28 09 RJH

PLEASE READ Instructions for completing this form on the reverse side.

Sampler must place a "C" for composite sample or a "G" for Grab sample in the blocks above for each parameter requested.

№ 186689

FORM #5

Environment 1, Inc.
P.O. Box 7085, 114 Oakmont Dr.
Greenville, NC 27858

Phone (252) 756-6208 • Fax (252) 756-0633

CHAIN OF CUSTODY RECORD

CLIENT: 6009 A **Week: 29**

LENOIR CO. LANDFILL (OLD)
COUNTY OF LENOIR
MR. TOM MILLER
P.O. BOX 756
KINSTON NC 28502

(252) 566-5408

DISINFECTION: ☐ CHLORINE ☐ UV ☐ NONE ☐ _____

SAMPLE LOCATION	COLLECTION DATE	COLLECTION TIME	TOTAL CHLORINE, mg/l AT COLLECTION	TEMPERATURE, °C AT COLLECTION	# OF CONTAINERS	Cyanide	Metals	Sulfide	EPA 8270C	8270C Dup. 1	EPA 8081A	8260B App. II	8260 App. II 1	8151A Landfill
						12	12	9				12	12	
CONTAINER TYPE, P/G						P	P	P	G	G	G	G	G	G
CHEMICAL PRESERVATION						D	A	F D	A	A	A	E	E	A
Trip Blank					2									
Equipment Blank	07 29 09				9	G	G	G	G	G	G	G	G	G

CHLORINE NEUTRALIZED AT COLLECTION

pH CHECK (LAB)

PARAMETERS

A - NONE D - NAOH
B - HNO_3 E - HCL
C - H_2SO_4 F - ZINC ACETATE
G - NA THIOSULFATE

CLASSIFICATION:
☐ WASTEWATER (NPDES)
☐ DRINKING WATER
☐ DWQ/GW
☒ SOLID WASTE SECTION

CHAIN OF CUSTODY MAINTAINED DURING SHIPMENT/DELIVERY: (Y) N

SAMPLES COLLECTED BY: (Please Print) H Page/Fof

SAMPLES RECEIVED IN LAB AT 0.2 °C

RELINQUISHED BY (SIG.) (SAMPLER)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME
Bob H Page	07 29 09 3:46	B	7/29 3:46
RELINQUISHED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME
RELINQUISHED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME

COMMENTS:

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FORM #5

№ 186688